



European
Society of
Pathology

34th European Congress of Pathology

The Art of Next Generation Pathology

3 – 7 September 2022

Congress Center Basel, Switzerland

www.esp-congress.org

**Final
Programme**

Basel 

basel.ch

The ESP thanks the
canton of Basel city for
its support.

European
Society of
Pathology

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► Host Organisation

European Society of Pathology
Rue Bara 6
1070 Brussels, Belgium
www.esp-pathology.org

► Scientific Contact

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► Congress and Exhibition Office

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► Congress Venue

Congress Center Basel (CCB)
Messeplatz 21
4058 Basel, Switzerland
www.congress.ch

Welcome Address

Dear Colleague,

On behalf of the European Society of Pathology (ESP) and the Swiss Society of Pathology (SGPath) we are pleased to welcome you to the 34th European Congress of Pathology (ECP 2022) in Basel, Switzerland.

After two years of virtual congresses, we are excited to finally meet you all in person again. For a few days, Basel will be the centre for the international European pathology, bringing together all stakeholders of pathology including pathologists, clinicians, molecular biologists, geneticists, bioinformaticians, IT experts as well as our partners in the industry.

The motto for the ECP 2022 – The Art of Next Generation Pathology – encompasses the broad range of modern pathology, including next generation technologies as well as the next generation of pathologists, but also points to the intuition and passion necessary in pathology as part of the Art of Medicine for the best management and maximal benefit for our patients. As usually, the ESP working groups and affiliated societies have invested a lot of energy to prepare excellent state-of-the-art organ and topic-based sessions, including multiple joint sessions, updating and broadening the scope of organ-based pathology. Special sessions focusing on recent research findings have been organised jointly with other pathology and clinical scientific societies.

Keynote lectures held by internationally recognised experts, oral free papers, posters, as well as sessions organised by our trainees cover a broad spectrum of topics – from cutting-edge scientific developments to more common problems in diagnostic and academic pathology, as well as hot topics like implementation of artificial intelligence into pathology practice.

Basel, generally considered the cultural capital of Switzerland, spans the arc between history and modernity, harbouring the first University of Switzerland, founded in 1460, internationally known museums, a charming old town as well as a florid hotspot of biomedical research and industry. At the same time, cozy restaurants and places to stay invite you to spend your time together, cultivate old friendships and make new ones. We extend a warm welcome to you and look forward to sharing with you an excellent time in Basel.



Aleš Ryška



Gieri Cathomas

Aleš Ryška, Czech Republic
President of the European Society of Pathology

Gieri Cathomas, Switzerland
*Chair of the Local Organising Committee
of ECP 2022*

► Brief Description of the ESP

The European Society of Pathology (ESP), established in 1963, has its headquarters in Brussels and represents the leading European force in Pathology with more than 3,000 active members, 25 Working Groups (WG) and affiliated societies and 30 national pathology societies. Its vision is “excellence in pathology for optimal patient care”.

The primary aim of ESP is to promote high-quality pathology diagnosis for all patients, to promote up-to-date education across Europe and to support cutting-edge research to understand disease and translate science into clinical practice. The ESP organises an annual congress, holds several virtual and on-site postgraduate courses each year through the European School of Pathology and others, has an official journal “Virchow Archiv”. The ESP interacts with national pathology societies in Europe and has a significant number of established collaborations with other European organisations, clinical and scientific associations, and international pathology societies. All ESP educational and training programmes (e.g., Courses, ESP Academy, Giordano Fellowship) and scientific activities will inevitably advance pathology in Europe and greatly facilitate communication between European pathologists.

The ESP Foundation, established in 2016, provides educational and training programmes in different pathology areas as well as external quality assessment (QA) programmes for several biomarkers. Diagnostic laboratories worldwide participate in the ESP Foundation QA schemes, such as Lung, Colon and PDL1. For more information, please visit

<https://www.esp-pathology.org/>

Office of the ESP

Rue Bara 6, 1070 Brussels, Belgium

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www.esp-pathology.org

► Scientific/Organising Committee

Aleš Ryška, Czech Republic
Holger Moch, Switzerland
Fátima Carneiro, Portugal
Peter Schirmacher, Germany
Xavier Matias-Guiu, Spain
Raed Al Dieri, Belgium
Gieri Cathomas, Switzerland
Rainer Grobholz, Switzerland
Zsuzsanna Varga, Switzerland
Bettina Bisig, Switzerland

► ESP Executive Committee and Council

President:

Aleš Ryška, Czech Republic

President-elect:

Peter Schirmacher, Germany

Secretary:

Janina Kulka, Hungary

Treasurer:

Maria Rosaria Raspollini, Italy

Past President:

Holger Moch, Switzerland

Council Members:

Irene Esposito, Germany
Marina Kos, Croatia
Ronald de Krijger, The Netherlands
Carolyn Lackner, Austria
José Palacios Calvo, Spain
Gitta Turowski, Norway
Marta Cohen, UK
Jean-Christophe Benoit Sabourin, France

Chair of the Advisory Board:

Marco Santucci, Italy

ESP Director General:

Raed Al Dieri, Belgium

► Working Groups of the ESP

Chair of the ESP Working Groups: Holger Moch, Switzerland

- 1. Autopsy Pathology**
Chair: M. Metzger, Germany
Co-Chair: C. Marques Pontinha, Portugal
- 2. Breast Pathology**
Chair: Z. Varga, Switzerland
Co-Chair: G. Cserni, Hungary
- 3. Cytopathology**
Chair: P. Vielh, France
Co-Chair: G. Troncone, Italy
- 4. Dermatopathology**
Chair: E. Calonje, UK
Co-Chair: B. Luzar, Slovenia
- 5. Digestive Diseases Pathology**
Chair: R. Feakins, UK
Co-Chair: I. Esposito, Germany
- 6. Electron Microscopy**
Chair: G. Cenacchi, Italy
Co-Chair: D. Naranjo-Hans, Spain
- 7. Endocrine Pathology**
Chair: J.-Y. Scoazec, France
Co-Chair: C. Eloy, Portugal
- 8. Gynaecological Pathology**
Chair: B. Davidson, Norway
Co-Chair: A. Felix, Portugal
- 9. Head and Neck Pathology**
Chair: N. Zidar, Slovenia
Co-Chair: S. Ihrler, Germany
- 10. History of Pathology**
Chair: R. Henriques de Gouveia, Portugal
Co-Chair: J. Gulczyński, Poland
- 11. Infectious Diseases Pathology**
Chair: G. Gorkiewicz, Austria
Co-Chair: N. Rakislova, Spain
- 12. IT (Computational)**
Chair: I. Zlobec, Switzerland
Co-Chair: A. Polónia, Portugal
- 13. Molecular Pathology**
Chair: G. Höfler, Austria
Co-Chair: G. Stanta, Italy
- 14. Nephropathology**
Chair: H. Hopfer, Switzerland
Co-Chair: A. Perkowska-Ptasińska, Poland
- 15. Paediatric and Perinatal Pathology**
Chair: I. Colmenero, Spain
Co-Chair: A. Coulomb, France
- 16. Pathology in Favour of Developing Countries**
Chair: G. de Falco, UK
Co-Chair: K. Wassilew, UK
- 17. Pulmonary Pathology**
Chair: I. Kern, Slovenia
Co-Chair: P. Hofman, France
- 18. Soft Tissue and Bone Pathology**
Chair: F. Le Loarer, France
Co-Chair: D. Baumhoer, Switzerland
- 19. Thymic and Mediastinal Pathology**
Chair: M. Szolkowska, Poland
Co-Chair: J. von der Thüsen, The Netherlands
- 20. Uropathology**
Chair: M. Colecchia, Italy
Co-Chair: D. Ertoy Baydar, Turkey

► Affiliated Societies

- **Cardiovascular Pathology**
President: K. Michaud, Switzerland
Educational Councilor and AECVP representative for ESP: G. D'Amati, Italy
- **Haematopathology**
President: L. Quintanilla-Fend, Germany
Secretary: J. Goodlad, UK
- **Neuropathology (Euro – CNS)**
President: M. Lammens, Belgium
- **Ophthalmic Pathology**
President: R. M. Verdijk, The Netherlands
- **Paediatric Pathology**
President: M. Ashworth, UK
Secretary: S. Holden, UK

► **Inti Zlobec (Switzerland)**

Inti Zlobec is Professor of Digital Pathology at the Institute of Pathology, University of Bern, Switzerland. She graduated with a PhD degree in Experimental Pathology, from McGill University, Montreal, Canada in 2007 before completing a post-doctoral fellowship at the Institute of Pathology, University Hospital Basel, where she conducted tissue-based research in the field of colorectal cancer using biostatistical models.



After habilitating in 2010, she received a position at the Institute of Pathology, University of Bern, where she established the Translational Research Unit (TRU) and later led and modernised the Tissue Bank Bern (TBB). Inti Zlobec became Associate Professor in 2014.

Now, she leads an inter-disciplinary research group of students and researchers using artificial intelligence and machine learning as tools to study pathology images along with other data types to discover and validate novel prognostic and predictive biomarkers for colorectal cancer patients.

Inti Zlobec is a member of the Executive Team of the Center for Artificial Intelligence in Medicine (CAIM) of the University of Bern, Co-Founder and President of the Swiss Consortium for Digital Pathology (SDiPath) and Chair of the European Society of Pathology (ESP) IT (Computational) Working Group.

► Michael N. Hall (Switzerland)

Michael N. Hall was born in Puerto Rico and grew up in South America (Venezuela and Peru).

He received his Ph.D. from Harvard University and was a postdoctoral fellow at the Pasteur Institute (Paris, France) and the University of California, San Francisco. He joined the Biozentrum of the University of Basel (Switzerland) in 1987 where he is currently Professor and former Chair of Biochemistry. Hall is a pioneer in the fields of TOR signaling and cell growth control. In 1991, Hall and colleagues discovered TOR (Target of Rapamycin) and subsequently elucidated its role as a central controller of cell growth and metabolism. TOR is a highly conserved, nutrient- and insulin-activated protein kinase.



The discovery of TOR led to a fundamental change in how one thinks of cell growth. It is not a spontaneous process that just happens when building blocks (nutrients) are available, but rather a highly regulated, plastic process controlled by TOR-dependent signaling pathways. As a central controller of cell growth and metabolism, TOR plays a key role in development and aging, and is implicated in disorders such as cancer, cardiovascular disease, diabetes, and obesity.

Hall is a member of the US National Academy of Sciences, has received numerous awards, including the Louis-Jeantet Prize for Medicine (2009), the Breakthrough Prize in Life Sciences (2014), the Canada Gairdner International Award (2015), and the Albert Lasker Award for Basic Medical Research (2017), and has served on several editorial and scientific advisory boards.

► **Emina Emilia Torlakovic (Canada)**

Dr. Emina Emilia Torlakovic obtained her M.D. at the University of Zagreb Medical School and her Ph.D. at the University of Oslo Medical School.

In 1996, during her fellowship in surgical pathology at the University of Minnesota, she has distinguished sessile serrated adenoma (SSA) as an entity from other serrated polyps, specifically hyperplastic polyp (HP) and traditional serrated adenoma (TSA) and with her team developed additional diagnostic criteria and classification of serrated colorectal polyps in 2003 and further refined diagnostic criteria between TSA and SSA in 2008.

She is board certified by The American Board of Pathology in Anatomic and Clinical Pathology with subspecialty boards in Hematopathology. She worked as a pathologist at the National Radium Hospital in Oslo, Norway until 2004, when she moved to Canada. She was a professor at the University of Toronto when she moved to the University of Saskatchewan in 2017 where she is now a clinical professor and a division head of laboratory hematopathology at the Royal University Hospital in Saskatoon.

She was a founding member of the NordiQC, co-founded CIQC, and most recently founded and currently directs Canadian Biomarker Quality Assurance (CBQA) and CBQAReadout.ca, academic quality assurance programs for predictive and prognostic biomarkers.

Dr. Torlakovic is the Chair of the National Standards Committee for High Complexity Testing of the Canadian Association of Pathologists. She is the President of the International Society for Immunohistochemistry and Molecular Morphology and a Board Member of the International Quality Network for Pathology.

She is also currently leading several national and international projects related to development and quality assurance of biomarker assays for precision medicine. Dr. Torlakovic continues to engage in research projects on serrated colorectal polyps.



► Giovanni Bussolati (Italy)

Occupation or position held

Professor of Pathological Anatomy and Histology (1980-2011)
Emeritus Professor of Pathological Anatomy and Histology,
University of Turin (2011– present)



Main activities and responsibilities

- Dean of the Specialistic Degree in Technical and Diagnostic Science, University of Turin
- Chairman of the Department of Biomedical Sciences and Human Oncology, University of Turin
- Director of the Residence School of Anatomic Pathology, University of Turin
- Chairman of the Laboratory of Pathological Anatomy III – Ospedale S. Giovanni Battista di Torino, Turin

Social skills and competences

- Member of the Executive Council of the IAP (Italian Section) (1966-1967)
- Member of the Medical Academy of Turin
- Member of the American Association for Cancer Research
- President of the Adriatic Society of Pathology (1986)
- President of the International Association for Breast Cancer Research (1991)
- Managing Director of the European School of Pathology (1990 – 2008)
- Member of Accademia Nazionale dei Lincei (2000 – present)
- President of the European Society of Pathology (2001 – 2003)
- Past-President of the European Society of Pathology (2004)
- Secretary of the Endocrine Pathology – USA (2001)
- Vice-President of the Endocrine Pathology – USA (2002)
- President of the Endocrine Pathology Society – USA (2003)
- Fellow of the Royal College of Pathologists (London) (2002 – 2011)
- Member of the Deutsche Gesellschaft für Pathologie
- Member of the Association of Directors of Anatomic Pathology – USA

Other skills and competences

- Article in scientific journals no. 339 (ISI List)
- Chapters in books (no. 30)

Additional information

- Young Graduate Award, University of Turin (1964)
- National Feltrinelli Prize of Medicine from Accademia Nazionale dei Lincei, Rome (1979)
- Recipient of the IAP (International Academy of Pathology) Gold Medal for Education and Research (2006)
- Laurea Honoris Causa University of Craiova, Romania (2008)
- CEO, Addax Biosciences s.r.l. (2017)
- Honorary Member of the European Society of Pathology (2020)
- Member of the IAP (Inter-Academy Partnership) for Health Executive Committee

► Bursaries

The ESP has awarded bursaries to support the attendance of residents and trainees in pathology at the 34th European Congress of Pathology in Basel. Bursaries include a free registration to the congress as well as a monetary grant of EUR 150.

The ESP thanks BMS and Amgen for their support with congress bursaries for young pathologists.



The recipients are:

Alyssa Camille Ablaza, Philippines
Kadriye Ebru Akar, Turkey
Yaşar Kaan Akgök, Turkey
Florina Almarii, Romania
João Almeida, Portugal
Vânia Almeida, Portugal
Ibrahim Aloglu, Turkey
Catarina Alves-Vale, Portugal
Maria Alzamora, Portugal
Tiago André Sousa Oliveira, Portugal
Sofia Antunes, Portugal
Nermin Aras, Turkey
Alexandru-Nicodim Ardelean, Romania
Raluca Ardeleanu, Romania
Nurşah Arı, Turkey
Carmen Ariño-Palao, Spain
Esra Aydemir, Turkey
Merve Aydemir, Turkey
Erva Bengu Balaban, Turkey
Diana Baptista, Portugal
Marina-Alina Bara, Romania
Robert Alexandru Barna, Romania
Gabriela Barrios Millán, Spain
Michaela Bartu, Czech Republic
Sirine Ben Cheikh, Tunisia
Havva Berber, Turkey
Debamita Bhattacharjee, United Kingdom
João Boavida, Portugal
Joep Bogaerts, The Netherlands
Alessandra Bressan, Italy
María Emilia Brizzi, Spain
Mihaela Madalina Buda, Spain
Gökseven Bülbul, Turkey
Diana Paula Burlacu, Romania
Sumru Cagaptay, Turkey
Elif Kardelen Çağdas, Turkey
Yasemin Kahir, Turkey
Nicolo' Caldonazzi, Italy

Emanuel Caranfil, Romania
Irene Carretero Del Barrio, Spain
Jacopo Caschili, Italy
Lorenzo Casiccia, Italy
João Castro, Portugal
Federico Chiarucci, Italy
Stefano Chillotti, Italy
Madalina Chivu, Romania
Ruslana Chyzhma, Ukraine
Adelina-Maria Cohn, Romania
Marta Conde Ferreiros, Spain
Teresa Maria Costa, Portugal
Simona Costache, Romania
Andreia Coutada, Portugal
Miruna Cristian, Romania
Rebecca D'Amato Pascarella, Italy
Mariana de Brito Pereira, Portugal
Monica De Gaspari, Italy
Anastasiia Denysenko, Ukraine
Marta De Uribe Viloria, Spain
Luisa Di Sciascio, Italy
Joana dos Santos, Portugal
Sule Kevser Dursun, Turkey
Eugénia Dvindenko, Portugal
Erhan Ekren, Turkey
Diana Ionelia Eneaa, France
Melis Erdal, Turkey
Ozgur Can Eren, Turkey
Carlos Faria, Portugal
Madalin-Cosmin Filip, Romania
Guilherme Fontinha Portugal
Safouane Frini, Tunisia
Cristina Fuente-Díaz, Spain
João Gama, Portugal
María García, Spain
Ekin Gedik, Turkey
Claudia Andrea Gomez Gonzalez, Turkey
Jorge Gómez Trashorras, Spain
André Marques Gonçalves Pereira, Portugal

Chrysoula Gouta, Greece	Alexandra Pup, Romania
Berfin Ekin Gözükar, Turkey	Diana-Alexandra Raduta, Romania
Cristina Graham Martínez, The Netherlands	Fátima Ramalhosa, Portugal
Ismail Guzelis, Turkey	Caterina Ravaoli, Italy
Nazife Rumeysa Halepliler, Turkey	Mattia Riefolo, Italy
Matthew Hanks, United Kingdom	Paola Chiara Rizzo, Italy
Èrika Iglesias Martínez, Spain	Miguel Rodrigues, Portugal
Evelina-Nicoleta Ignat, Romania	María Amanda Rodríguez Villena, Spain
Nevena Ilieva, Bulgaria	Ricardo Rolim, Portugal
David João, Portugal	Filipa Rosa, Portugal
Berna Karabulut, Turkey	Diogo Sá, Portugal
Sumeyra Kartal, Turkey	Karmele Saez De Gordo, Spain
Seçil Kilar Kösemen, Turkey	Zeynep Sagnak Yilmaz, Turkey
Éva Kocsmár, Hungary	Pablo Santiago Díaz, Spain
Olena Kolomiets, Ukraine	Catalin-Bogdan Satala, Romania
Bilge Konuk, Turkey	Müzeyyen Müge Savas, Turkey
Lea Korša, Croatia	Ezgi Dicle Serbes, Turkey
Fernando Leiva-Cepas, Spain	Selim Sevim, Turkey
João Lobo, Portugal	Prarthna Shah, India
Samuel López-Muñoz, Spain	Ashish Shah, India
Cristina Luca, Romania	Vladyslav Sikora, Ukraine
Mykola Lyndin, Ukraine	Berkay Simsek, Turkey
Joana Madeira, Portugal	Cansu Sönmez, Turkey
Alina Magnaeva, Russia	Francisco Sousa Vieira, Portugal
Diana Martins, Portugal	Madalena Souto Moura, Portugal
Clare Mcgenity, United Kingdom	Irene Alexandra Spiridon, Romania
Manel Mellouli, Tunisia	Oana Stefan, Romania
Iris-Mara Mergeanu, Romania	Eleni Stoupi, Greece
Dejan Miljkovic, Serbia	Antonia Syrnioti, Greece
Marta Miralles, Spain	Dana Tapoi, Romania
Gonçalo Miranda, Portugal	George Terinte-Balcan, Romania
Eduardo Miraval Wong, Spain	Havva Gokce Terzioğlu, Turkey
Rafael Moiteiro da Cruz, Portugal	Margherita Testa, Italy
Carlota Mora, Portugal	Anca Toma, Romania
Syrine Moussa, Tunisia	Pietro Tralongo, Italy
Bianca Roxana Nataras, Romania	Anna Tregubova, Russia
Agnese Orsatti, Italy	Meriam Triki, Tunisia
Julio Osuna Soto, Spain	Vladan Trivunović, Serbia
João Pacheco, Portugal	Georgiana-Irina Tudor, Romania
Carolina Padrão, Portugal	Irena Ungureanu, France
María Evangelina Patriarca, Spain	Marina Valeri, Italy
Sofia Pedrosa, Portugal	Anna Vera Verschuur, The Netherlands
Filipa Pereira, Portugal	Coca Mihaela Vieru, Spain
Artem Piddubnyi, Ukraine	Alon Vigdorovits, Romania
Tamara Pikivaca, Croatia	Anna Voronina, Russia
João Pimentel, Portugal	Çiğdem Yıldırım, Turkey
Mafalda Pinho, Portugal	Elif Yumuk, Turkey
Radu Pirlog, Romania	Tatjana Zablocka, Latvia
Andrei Dorel Plopeanu, Romania	Maja Žvotić, Serbia
Pablo Puente Lopez, Spain	

► CME Accreditation

The 34th European Congress of Pathology, Basel, Switzerland has been accredited by the European Accreditation Council for Continuing Medical Education (EACCME®) with 26 European CME credits (ECMEC®s).

Each medical specialist should claim only those hours of credit that he/she actually spent in the educational activity. Credits can either be claimed on-site at the respective CME terminals or online starting 8 September 2022. Delegates will be asked to evaluate the congress to claim their certificate(s).

Through an agreement between the Union Européenne des Médecins Spécialistes and the American Medical Association, physicians may convert EACCME® credits to an equivalent number of AMA PRA Category 1 Credits™.

Information on the process to convert EACCME® credit to AMA credit can be found at www.ama-assn.org/education/earn-credit-participation-international-activities.

Live educational activities, occurring outside of Canada, recognised by the UEMS-EACCME® for ECMEC®s are deemed to be Accredited Group Learning Activities (Section 1) as defined by the Maintenance of Certification Program of the Royal College of Physicians and Surgeons of Canada.

	CME credits full day	CME credits morning	CME credits afternoon
4 Sept 2022	7	3	4
5 Sept 2022	7	3	4
6 Sept 2022	7	3	4
7 Sept 2022	5	2	3

Please note:

Participants can obtain their CME certificates at the **CME terminals located in the registration area.**



Virchows Archiv

at the forefront of translational and practice pathology

Editor-in-Chief: Daniela Massi (University of Florence)



The Official
Journal of



Impact

- Impact Factor:
4.535 (2021)
- 5-year Impact Factor:
4.161

Peer review

- Fast, high-profile peer review assures valuable insight and improved quality
- **23 days** from submission to first decision (January-December 2021)
- **19 days** from acceptance to Online First publication

General info

- over **630,000** full-text article downloads in 2021
- Total cites: **8,781**
- Altmetric: **8,188** article mentions (256 news stories)
- No submission fees or page charges

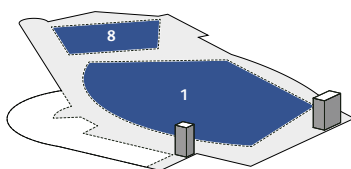
Part of **SPRINGER NATURE**

► Congress Center Basel (ICCB)

■ ECP Meeting Rooms

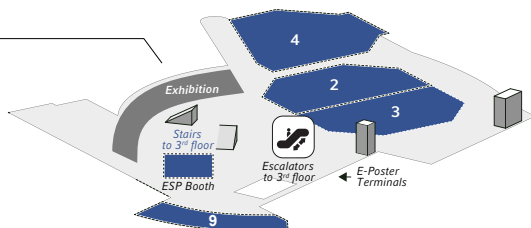
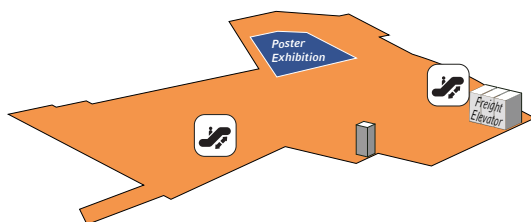
Rooms

- 1 San Francisco
- 8 Osaka/Samarkand

3rd Floor

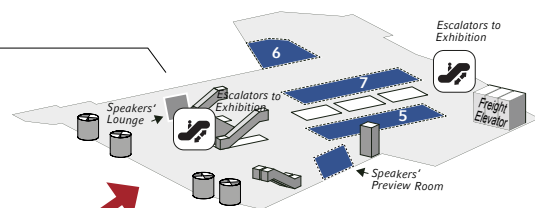
Rooms

- 2 Singapore
- 3 Sydney
- 4 Montreal
- 9 Rio

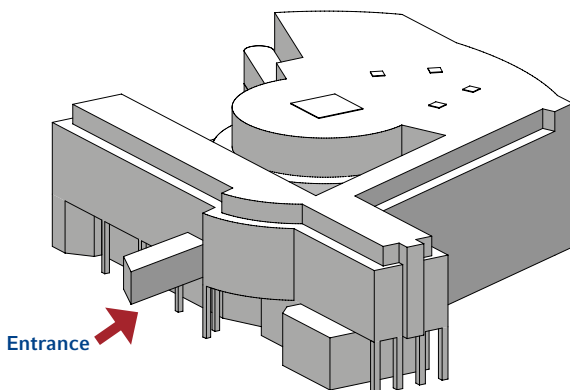
2nd Floor1st Floor
Exhibition (4.1)

Rooms

- 5 Boston
- 6 Delhi
- 7 Shanghai

Ground Floor
(4.0)

Entrance



Entrance

► Colours and Abbreviation Codes of Sessions

Working Group Sessions

AUT	Autopsy pathology
BREAST	Breast pathology
CARD	Cardiovascular pathology
CYTO	Cytopathology
DERM	Dermatopathology
DEVEL	Pathology in favour of developing countries
DIGE	Digestive diseases pathology
EM	Electron microscopy
ENDO	Endocrine pathology
GYNAE	Gynaecological pathology
HAEMA	Haematopathology
H & N	Head and neck pathology
HIST	History of pathology
INFE	Infectious diseases pathology
IT	IT in pathology
MOPA	Molecular pathology
NEPH	Nephropathology
NEURO	Neuropathology
OPHTH	Ophthalmic pathology
PAED	Paediatric and perinatal pathology
PULM	Pulmonary pathology
SO-TI	Soft tissue and bone pathology
THYM	Thymic and mediastinal pathology
URO	Uropathology

Special Sessions

KEYNOTE	Keynote lecture
SPEC	Special session ESP
SpF	Special session French Society of Pathology
TR	Trainees' session
MD	One-Day Molecular Pathology Diagnostics Symposium
CP	One-Day Computational Pathology Symposium
VIAR	Virchows Archiv

► Formats

BM	► Business Meeting
BPS	► Best Poster Session
KNL	► Keynote Lecture
LC	► Long Course
OFF	► Oral Free Paper Session
SC	► Short Course
SPEC	► Special Session
SS	► Slide Seminar
SY	► Symposium
TR	► Trainees' Session
VIAR	► Virchows Archiv Session
VM	► Videomicroscopy

► Associations /societies collaborating in the scientific programme

- Arthur Purdy Stout Society (APSS)
- European Crohn's and Colitis Organisation (ECCO)
- European National Societies affiliated to the ESP
- European Society of Gynaecological Oncology (ESGO)
- Hans Popper Hepatopathology Society
- International Academy of Pathology (IAP)
- International Agency for Research on Cancer (IARC)
- Rodger C. Haggitt Gastrointestinal Pathology Society (GIPS)
- United European Gastroenterology (UEG)

Programme Overview per Day

► Saturday, 3 September 2022

16:00 – 20:00 Registration

19:00 – 22:00

OPENING CEREMONY (Room San Francisco)

and

NETWORKING RECEPTION (Exhibition Hall 4.1, Foyer 2nd Floor)

20:00 – 22:00 Technical Exhibition (Exhibition Hall 4.1, Foyer 2nd Floor)

Sunday, 4 September 2022

				San Francisco	Singapore	Sydney	Montreal
Registration ▶ 07:30 – 18:00	Hall 4.1, Foyer 2 nd Floor ▶ Technical Exhibition ▶ 09:00 – 17:15	08:30 – 12:00	09:30 – 10:30 ☕ Coffee Break + Poster Sessions	SPEC ESP EDUCATION SUBCOMMITTEE Next generation teaching in pathology	SY BREAST & IT Joint AI in breast pathology: ready for prime time?	LC H&N Salivary gland pathology	LC NEPH & CARD & DIGE & PULM Joint Primer on solid organ transplant pathology
		12:15 – 13:00		San Francisco ▶ Keynote Lecture by Inti Zlobec (Switzerland) 2022: a digital pathology odyssey			
		13:00 – 14:30	Lunch 🍴	Industry Satellite Symposia (see pages 166 – 168)			
		14:45 – 16:45		SPEC ESP & APSS Joint Pseudomalignant lesions (Slide Seminar)	SS BREAST Challenging cases in breast pathology	SC H&N What is new in WHO 2022?	SY NEPH Glomerular diseases (+Business Meeting)
		16:45 – 17:15	📄	Best Poster Sessions (E-Poster Terminals, Foyer 2 nd Floor)			
		17:15 – 19:15		SC DIGE (GI) Colorectal carcinoma and its precursors	SY BREAST Excerpts from breast pathology in 2022	SY H&N Precancerosis of the head and neck (+Business Meeting)	SC NEPH & URO Joint Nephropathology for uropathologists – kidney tumours for nephropathologists
		19:30 – 20:30		Industry Satellite Symposia (see pages 166 – 168)			

► Sunday, 4 September 2022

Boston	Delhi	Shanghai	Osaka/ Samarkand	Rio	
CP ONE-DAY SYMPOSIUM Morning Session	SpS SPECIAL SESSION Swiss Society The case I will never forget (Slide Seminar)	LC PAED The new WHO classification of paediatric tumours	OFP DIGE – GI	OFP CYTO & GYNAE	08:30 – 12:00
San Francisco ► Keynote Lecture by Inti Zlobec (Switzerland) 2022: a digital pathology odyssey					12:15 – 13:00
Industry Satellite Symposia (see pages 166–168)					13:00 – 14:30
CP ONE-DAY SYMPOSIUM Abstract presen- tations and Best Abstract Award	SC INFE & DEVEL & MOPA Joint COVID 19 in de- veloping countries – another face of the pandemic	SY PAED XXI Century approach to perinatal autopsy	OFP DIGE – Li/Pa	SS OPHTH Casuistic intro- duction in oph- thalmic pathol- ogy for trainees and general pathologists	14:45 – 16:45
Best Poster Sessions (E-Poster Terminals, Foyer 2 nd Floor)					16:45 – 17:15
CP & IT ONE-DAY SYMPOSIUM Joint AI Gleason gra- ding 'in the wild'	SY MOPA The Molecular Tumour Board	SY PAED & THYM Joint Thymic and mediastinal lesions in chil- dren and young adults	OFP SO-TI & INFE Joint	SC EM & OPHTH Joint Ultrastructural diagnoses on the eye and adnexa	17:15 – 19:15
Industry Satellite Symposia (see pages 166–168)					19:30 – 20:30

► Monday, 5 September 2022

				San Francisco	Singapore	Sydney	Montreal
Registration ► 07:00–18:00	Hall 4.1, Foyer 2 nd Floor ► Technical Exhibition ► 09:00–17:15	07:15 – 08:15		Industry Satellite Symposia (see pages 168–171)			
		08:30 – 12:00	09:30–10:30 Coffee Break + Poster Sessions	SY DIGE (GI) Upper gastro-intestinal tract pathology: new insights	SPEC ESP & ESGO Genetic tumour syndromes of the female genital tract	SY HAEMA Molecular pathogenesis of T-cell lymphomas	SpS SPECIAL SESSION Swiss Society Patient – pathologist consultation: the next generation pathology and pathologists?
		12:15 – 13:00		San Francisco ► Keynote Lecture by Michael N. Hall (Switzerland) Mammalian target of rapamycin (mTOR) signalling in growth and metabolism			
		13:00 – 14:30	Lunch	Industry Satellite Symposia (see pages 168–171)			
		14:45 – 16:45		SS DIGE (GI) & ECCO Joint Complications of Inflammatory Bowel Disease (IBD)	SS GYNAE Rare entities	SC HAEMA The shifting sands of small B-cell lymphoma (...)	VM PULM Pitfalls in non-neoplastic lung pathology
		16:45 – 17:15		Best Poster Sessions (E-Poster Terminals, Foyer 2nd Floor)			
		17:15 – 19:15		SY DIGE & IT Artificial Intelligence (AI) in Digestive Diseases: needed or needless?	SC GYNAE Cases resolved by molecular pathology	SS HAEMA Myeloid (and lymphoid) neoplasms with tyrosine kinase fusion genes	SY VIRCHOWS ARCHIV & HIST Joint 200 th anniversary of Rudolf Virchow
		19:30 – 20:30		Industry Satellite Symposia (see pages 168–171)			

► Monday, 5 September 2022

Boston	Delhi	Shanghai	Osaka/ Samarkand	Rio	
Industry Satellite Symposia (see pages 168–171)					07:15 – 08:15
MD ONE-DAY SYMPOSIUM Part I: Selected Abstracts Part II: Molecular diagnostics on liquid material	LC CYTO Lung cytopathology	SS H&N & SO-TI Joint Epithelial vs mesenchymal – differential diagnosis in the head and neck	OFP NEPH & URO Joint	OFP PULM & THYM Joint	08:30 – 12:00
San Francisco ► Keynote Lecture by Michael N. Hall (Switzerland) Mammalian target of rapamycin (mTOR) signalling in growth and metabolism					12:15 – 13:00
Industry Satellite Symposia (see pages 168–171)					13:00 – 14:30
MD ONE-DAY SYMPOSIUM From biological and clinical data interpretation to molecular tumour board decisions	SY ENDO Novelties from the 5 th edition of the WHO Classification of Endocrine (Thyroid) tumours	SC SO-TI Sarcoma without borders: is it really mesenchymal and differential diagnosis to consider!	SS NEPH & EM Joint When magnification matters	OFP DERM	14:45 – 16:45
Best Poster Sessions (E-Poster Terminals, Foyer 2 nd Floor)					16:45 – 17:15
MD ONE-DAY SYMPOSIUM Future developments	SS ENDO Challenging thyroid and (neuro) endocrine cases: beyond the ordinary landscape	SC SO-TI Vascular lesions of bone and soft tissue	SY EM & INFE Joint Pathogens in tissues: ultrastructural diagnostics and pathomechanisms inferred	OFP AUT & PAED Joint	17:15 – 19:15
Industry Satellite Symposia (see pages 168–171)					19:30 – 20:30

Tuesday, 6 September 2022

			San Francisco	Singapore	Sydney	Montreal	
Registration ▶ 07:00– 18:00		07:15 – 08:15	Industry Satellite Symposia (see pages 171–173)				
	Hall 4.1, Foyer 2 nd Floor ▶ Technical Exhibition ▶ 09:00– 17:15	08:30 – 12:00	09:30– 10:30 ☕ Coffee Break + Poster Sessions	SC URO A new landscape of molecular biomarkers for GU tumours	SPEC ESP QA Good results come from experience, experience comes from bad results	OFF H&N & ENDO <i>Joint</i>	VM DIGE (LIVER) & HANS POPPER HEPATO-PATHOLOGY SOCIETY <i>Joint</i> Differential diagnosis of liver masses on biopsy
		12:15 – 13:00		San Francisco ▶ ESP Symeonidis Lecture by Emina Torlakovic (Canada) What is sessile serrated adenoma/polyp/lesion?			
		13:00 – 14:30	Lunch 🍴	Industry Satellite Symposia (see pages 171–173)			
	14:45 – 16:45		SC DIGE (GI) & GI PATHOLOGY SOCIETY (GIPS) <i>Joint</i> Challenges in ileocolic pathology	SPEC ESP /IAP <i>Joint</i> From digital pathology to artificial intelligence, an enriching journey....	SC ENDO High grade endocrine and neuroendocrine neoplasms	VM DERM Cutaneous adnexal neoplasms	
	16:45 – 17:30	☕	Plenary OFF Session (ESP Booth)				
	17:30 – 19:30		SC DIGE (LIVER) Immune-mediated liver disorders	SPEC ESP AI Task Force Session AI in Pathology	SC ENDO Old and new biomarkers for neuroendocrine neoplasms: how to use them in 2022	VM HAEMA Cutaneous lymphoproliferative disorders: the good, the bad and the unexpected	
		19:45 – 20:45		Industry Satellite Symposia (see pages 171–173)			

► Tuesday, 6 September 2022

Boston	Delhi	Shanghai	Osaka/ Samarkand	Rio	
Industry Satellite Symposia (see pages 171–173)					07:15 – 08:15
LC DERM Melanocytic neoplasms	SY PULM & MOPA <i>Joint</i> Advances in molecular pathology of thoracic tumours	OFP BREAST	OFP IT & OTHER TOPICS (EM & CARD) <i>Joint</i>	SS CYTO & TRAINEES <i>Joint</i> Junior and senior patholo- gist facing a cyto- logic challenge	08:30 – 12:00
San Francisco ► ESP Symeonidis Lecture by Emina Torlakovic (Canada) What is sessile serrated adenoma/polyp/lesion?					12:15 – 13:00
Industry Satellite Symposia (see pages 171–173)					13:00 – 14:30
SPEC NAT SOC Pitfalls, difficul- ties and errors in companion diagnostics	OFP HAEMA & MOPA <i>Joint</i>	SS CARD Challenging cases in vascular pathology	OFP NEURO & OPHTH <i>Joint</i>	SY CYTO Recent advances in molecular cytopathology	14:45 – 16:45
Plenary OFP Session (ESP Booth)					16:45 – 17:30
SC DERM & HIST <i>Joint</i> The skin through- out the centuries	SS EM & PULM <i>Joint</i> Intriguing cases in thoracic pathol- ogy: the contribu- tive role of elec- tron microscopy	SS THYM Germ cell tumours of the mediastinum		SC CYTO Updates on urine cytology: the Paris System 2.0 and beyond	17:30 – 19:30
Industry Satellite Symposia (see pages 171–173)					19:45 – 20:45

► Wednesday, 7 September 2022

			San Francisco	Singapore	Sydney	Montreal
Registration ► 08:00 – 17:30	08:30 – 12:00	09:30 – 10:30 Coffee Break + Poster Sessions	SS URO Mesenchymal tumours in genitourinary tract	SY DIGE (PANCREAS) & UEG <i>Joint</i> Emerging prognostic and predictive factors in pancreatic cancer: an update with a practical approach	SpS SPECIAL SESSION Swiss Society Retroperitoneum – no man's land or everyone's land?	SY TRAINEES The future generation of pathologists: challenges and opportunities in pathology research and academia
	12:00 – 13:00					ESP General Assembly
	13:15 – 13:45	Lunch	Best Poster Sessions (E-Poster Terminals, Foyer 2nd Floor)			
	14:00 – 16:00		LC URO What's new in WHO 5 th edition	SS DIGE (PANCREAS) Mimics of pancreatic neoplasms	SY MOPA Standardisation of molecular pathology analyses in Europe	SY INFE The intricate relationship between microbes & cancer (+Business Meeting)
	16:00 – 16:30		Best Poster Sessions (E-Poster Terminals, Foyer 2nd Floor)			
	16:30 – 17:15		San Francisco ► Juan Rosai Lecture by Giovanni Bussolati (Italy) The art and science of histopathology			
	17:15 – 18:00		San Francisco ► Closing Ceremony			

► Wednesday, 7 September 2022

Boston	Delhi	Shanghai	Osaka/ Samarkand	Rio	
LC NEURO The 5 th edition of the WHO classification of CNS tumours: marching on into the molecular era	SPEC ESP/IARC <i>Joint</i> Multidisciplinary classification of tumours	SS AUT & CARD & PAED <i>Joint</i> Hereditary diseases at autopsy	SY HIST Epidemics in history	SY MOPA & DEVEL <i>Joint</i> Molecular pathology on a budget	08:30 – 12:00
					12:00 – 13:00
Best Poster Sessions			General Assembly of the Trainees Subcommittee		13:15 – 13:45
SY NEURO & SO-TI <i>Joint</i> Methylation profiling: (not) a tool for every tumour?	SC CARD Non-ischemic myocardial pathology	SC AUT & PULM <i>Joint</i> Grossing lung pathology specimens	SY HIST Historical health institutions	SY DEVEL & IT <i>Joint</i> Joining forces! Improving diagnostic accuracy by telepathology	14:00 – 16:00
Best Poster Sessions (E-Poster Terminals, Foyer 2nd Floor)					16:00 – 16:30
San Francisco ► Juan Rosai Lecture by Giovanni Bussolati (Italy) The art and science of histopathology					16:30 – 17:15
San Francisco ► Closing Ceremony					17:15 – 18:00



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- Keynote Lectures
- Long Courses
- Oral Free Paper Sessions
- Short Courses
- Special Sessions
- Slide Seminars
- Symposia
- Trainee Sessions
- Videomicroscopy

► Saturday, 3 September 2022

OC-01	Special Session
19:00–20:00	San Francisco
Opening Ceremony	

► Sunday, 4 September 2022

SPEC-01	Special Session
08:30–12:00	San Francisco
Special Session ESP Education Subcommittee: Next generation teaching in pathology	
Chairs: <i>Xavier Matias-Guiu Guia, Spain</i> <i>Andrzej Marszalek, Poland</i>	

- 001** 08:30–08:40
Introduction
Xavier Matias-Guiu Guia, Spain
- 002** 08:40–09:00
Teaching quality control
Catarina Eloy, Portugal
- 003** 09:00–09:20
Teaching digital pathology and artificial intelligence
Marcial Garcia Rojo, Spain
- 004** 09:20–09:30
Q&A–Part I
- 005** 10:30–10:50
Teaching molecular pathology in 2022
Paul Hofman, France
- 006** 10:50–11:10
Teaching precision pathology in 2022; a shift in perspective
Enrique de Alava, Spain
- 007** 11:10–11:30
Next generation teaching in pathology, the oncologist perspective
Christoph Benedikt Westphalen, Germany
- 008** 11:30–11:50
Integrative or disintegrative pathology, teaching aspects
Andrzej Marszalek, Poland
- 009** 11:50–12:00
Q&A–Part II

SY-01	Symposium
08:30–12:00	Singapore
Joint Symposium Breast Pathology & IT in Pathology: AI in breast pathology: ready for prime time?	
Chairs: <i>Simone Münst, Switzerland</i> <i>Antonio Polonia Oliveira, Portugal</i>	

- 001** 08:30–08:45
Is AI ready for prime time?
Balazs Acs, Sweden
- 002** 08:45–09:00
Ki67 in breast cancer/e-validation using IBCSG 8/9 clinical trials
Zsuzsanna Varga, Switzerland
Inti Zlobec, Switzerland
- 003** 09:00–09:15
AI for breast cancer diagnosis
Francesco Ciampi, The Netherlands
- 004** 09:15–09:30
How does breast pathology diagnostic work digital?
Paul Van Diest, The Netherlands
- 005** 10:30–10:45
Internet security in digital pathology diagnostics?
Francesco Martino, Italy
- 006** 10:45–11:00
Prediction of molecular subtypes in breast cancer using digital analyses
Antonio Polonia Oliveira, Portugal
- 007** 11:00–11:15
Functional precision medicine of solid tumors–AI-guided selection & analysis of patient-derived cells
Vilja Pietiäinen, Finland
- 008** 11:15–12:00
Panel discussion: Is AI ready for prime time? (Discussion with all chairs and speakers)

LC-01	Long Course
08:30–12:00	Sydney
Head & Neck Pathology: Salivary gland pathology	
<i>Chairs: Alena Skálová, Czech Republic Roderick Simpson, United Kingdom</i>	

001 08:30–08:50

New developments of genetics in salivary gland tumours

Alena Skálová, Czech Republic**002** 08:50–09:20

The disputed role of grading in salivary gland carcinoma

Ilmo Leivo, Finland**003** 09:20–09:30

Q&A–Part I

004 10:30–11:00

Why is the histomorphological diagnosis of tumours of minor salivary glands much more difficult?

Stephan Ihrler, Germany**005** 11:00–11:30

New developments in intraductal carcinoma

Emmanuelle Uro-Coste, France**006** 11:30–11:50

The diagnosis of salivary gland cytology with the Milan System. Update from the 2nd edition

Esther Diana Rossi, Italy**007** 11:50–12:00

Q&A–Part II

LC-02	Long Course
08:30–12:00	Montreal
Joint Long Course Nephropathology & Cardiovascular Pathology & Digestive Diseases Pathology & Pulmonary Pathology: Primer on solid organ transplant pathology	
<i>Chairs: Helmut Hopfer, Switzerland Gregor Vlacic, Slovenia Alberto Quaglia, United Kingdom Annalisa Angelini, Italy</i>	

001 08:30–08:42

Introduction to solid organ transplantation

Helmut Hopfer, Switzerland**002** 08:42–08:50

Diagnosing rejection in the heart

Chiara Baldovini, Italy**003** 08:50–08:58

Diagnosing rejection in the lung

M. Angeles Montero Fernandez, United Kingdom**004** 08:58–09:06

Diagnosing rejection in the liver

Alberto Quaglia, United Kingdom**005** 09:06–09:14

Diagnosing rejection in the pancreas

Maïke Büttner-Herold, Germany**006** 09:14–09:22

Diagnosing rejection in the kidney

Joris Roelofs, The Netherlands**007** 09:22–09:30

Questions and answers with chairs and speakers

008 10:30–10:40

Assessment of donor organs in liver transplantation

Sanjay Kakar, USA**009** 10:40–10:50

Delayed graft function in kidney transplantation

Nicolas Kozakowski, Austria**010** 10:50–11:00

Late onset acute allograft dysfunction in heart transplantation

Jean Paul Duong Van Huyen, France**011** 11:00–11:10

Mimickers of rejection in lung transplantation

Anja Roden, USA**012** 11:10–11:20

Mimickers of rejection in liver transplantation

Alberto Quaglia, United Kingdom**013** 11:20–11:30

Chronic allograft dysfunction in the heart

Marny Fedrigo, Italy**014** 11:30–11:40

De novo DSA and antibody-mediated rejection in kidney transplantation

Candice Roufosse, United Kingdom

015 11:40–11:50
Unexpected finding in lung explants
Fiorella Calabrese, Italy

016 11:50–12:00
Questions and answers with chairs and speakers

SPEC-02 Slide Seminar
08:30–12:00 Delhi
Special Session Swiss Society:
The case I will never forget
Chairs: *Rainer Grobholz, Switzerland*
Chantal Pauli, Switzerland

001 08:30–08:50
Case 1
Antonio Lopez-Beltran, Spain

002 08:50–09:10
Case 2
Luca Mazzucchelli, Switzerland

003 09:10–09:30
Case 3
Tatjana Vlajnic, Switzerland

004 10:30–10:50
Case 4
Sabina Berezowska, Switzerland

005 10:50–11:10
Case 5
Laurence de Leval, Switzerland

006 11:10–11:30
Case 6
Gieri Cathomas, Switzerland

007 11:30–11:50
Case 7
Chantal Pauli, Switzerland

008 11:50–12:00
Overall discussion

LC-03 Long Course
08:30–12:00 Shanghai
Paediatric and Perinatal Pathology:
The new WHO classification of
paediatric tumours
Chairs: *Miguel Reyes-Múgica, USA*
Isabel Colmenero, Spain

001 08:30–08:52
Introduction to the new WHO classification
of paediatric tumours
Miguel Reyes-Múgica, USA

002 08:52–09:14
Update on paediatric gliomas
Tom Jacques, United Kingdom

003 09:14–09:30
Q&A–Part I

004 10:30–10:47
B-cell lymphoblastic leukaemias/lympho-
mas, diagnosis and minimal residual
disease
John Choi, USA

005 10:47–11:04
Is molecular classification the final stop?
The paradigm of paediatric adipose-fibro-
blastic lesions
Rita Alaggio, Italy

006 11:04–11:21
Paediatric hepatocellular neoplasms: new
biomarkers and molecular subtypes
Dolores López-Terrada, USA

007 11:21–11:38
A long winding road – the first organ
independent classification of germ cell
tumours
Peter Bode, Switzerland

008 11:38–12:00
Q&A–Part II

OFP-01 Oral Free Paper Session

08:30–12:00 Osaka/Samarkand

Oral Free Paper Session Digestive Diseases Pathology–GI

Chairs: **Xuchen Zhang, USA****Paula Borralho Nunes, Portugal**

001 08:30–08:40

Gastric polyps in familial adenomatous polyposis (FAP) Portuguese patients—the first Western cohort with Asian features

Diana Baptista, Portugal*M. Fernandes, F. Sousa, M. Garrido, L. Pinho, R. Morais, M. Baptista, F. Carneiro, I. Gullo*

002 08:40–08:50

Road-Mapping for gastric intestinal metaplasia

Elif Kardelen Çagdas, Turkey*İ. Adanır, C. Ersöz, Ş. Ersöz, B. Savaş, A. Ensari*

003 08:50–09:00

Myths and facts: reflux oesophagitis vs eosinophilic oesophagitis

Elif Kardelen Çagdas, Turkey*N. Aras, C. Ersöz, Ş. Ersöz, Z. Kuloglu, A. Kansu Tanca, B. Savaş, A. Ensari*

004 09:00–09:10

Clinical relevance of tumour response patterns in rectal cancer

Sonay Kus Ozturk, The Netherlands*C. Graham Martínez, K. Sheahan, D. Winter, S. Aherne, E. Ryan, C. van de Velde, C. Marijnen, G. Hospers, R. van der Post, I. Nagtegaal*

005 09:10–09:20

Consultation rate and pathologist diagnostic rate in 6,020 oesophageal biopsy specimens

Michael Bonert, Canada*R. Cheng, A. Naqvi, C. Finley*

006 09:20–09:30

Endoscopic biopsies in the diagnosis of colorectal carcinoma – is it quantity or quality?

Katy Teo, United Kingdom*M. Elgoweini*

008 10:30–10:40

Epithelial-mesenchymal transition and α -SMA expression in the tumour microenvironment: role in tumour stroma composition and association with prognosis in colorectal cancer**Ricella Souza Da Silva, Portugal***F. Gomes, J. Andrade, L. Barbosa, D. Silva*

009 10:40–10:50

Digital spatial profiling and proteomics identifies differences in biological phenotypes of tumour deposits and lymph node metastases in colorectal cancer

Nelleke Brouwer, The Netherlands*L. Webink, S. van Lent-van Vliet, P. Jansen, R. Geene, I. Nijman, F. Simmer, D. Tauriello, M. Vermeulen, I. Nagtegaal*

010 10:50–11:00

Extraappendiceal goblet cell carcinoid like amphicrine tumours of GI tract: a long-known, not routinely used entity, associated with aggressive behaviour

Zeynep Betül Erdem, Turkey*H. Pasaoglu, E. Yarikaya, M. Cin, T. Özcan, H. Dincer, H. Bektas, N. Dursun Kepke*

011 11:00–11:10

Mismatch repair protein and microsatellite instability status in gastric cancer: a comparative study between endoscopic biopsies and surgical specimens

Irene Gullo, Portugal*D. Sousa Marques, J. Ricardo Silva, L. Mascarenhas-Lemos, X. Wen, C. Nascimento, A. Costa, A. Faria, C. Gouveia, L. Pinho, P. Patricia, M. Cravo, C. Fátima*

012 11:10–11:20

Which is which? Autoimmune (H.pylori) gastritis

Nermin Aras, Turkey*E. Çagdas, S. Kurt, B. Savaş, A. Ensari*

013 11:20–11:30

Systemic neutrophil-to-lymphocyte ratio in colorectal cancer: differences in systemic cytokine profile and immune effector cell populations

Debamita Bhattacharjee, United Kingdom*M. Cummings, N. Orsi, M. Cullen, S. Richards, R. Prasad, D. Jayne, P. Quirke, J. Pine*

014 11:30–11:40

An innovative artificial intelligence based application for the differentiation of invasive adenocarcinoma from pseudoinvasion in colorectal polyps

Lina Chen, Canada

Z. Yang, B. Wang, D. Driman, C. Ling, Q. Zhang

015 11:40–11:50

MMR-deficient crypts detection by immunohistochemistry in normal colonic mucosa of patients with MMR deficient (dMMR)/MicroSatellite Instable (MSI) colorectal cancer: a helpful tool for the diagnosis of Lynch syndrome

Magali Svrcek, France

S. Breton, I. Sourrouille, N. Basset, E. Guillermin, I. Brocheriou, D. Eneaa, P. Bourgoin, A. Duval, T. Andre, M. Muleris, F. Coulet

016 11:50–12:00

Tumour budding is an independent prognostic factor in stage III colon cancer patients: a post-hoc analysis of the IDEA-France phase III trial (PRODIGE-GERCOR)

Magali Svrcek, France

D. Basile, C. Broudin, J. Emile, A. Falcoz, F. Pagès, L. Mineur, J. Bennouna, C. Louvet, P. Artru, S. Fratte, F. Ghiringhelli, T. Andre, V. Derangère, D. Vernerey, J. Taieb

OFP-02	Oral Free Paper Session
08:30–12:00	Rio
Joint Oral Free Paper Session Gynaecological Pathology / Cytopathology	
Chairs: Ben Davidson, Norway	
Ivana Kholova, Finland	

001 08:30–08:40

Consensus based recommendations for the diagnosis of Serous Tubal Intraepithelial Carcinoma; an international Delphi study

Joep Bogaerts, The Netherlands

M. van Bommel, M. Steenbeek, R. Hermens, J. de Hullu, J. van der Laak, M. Simons

002 08:40–08:50

Endocervical endometrioid adenocarcinoma: clinicopathologic characterisation of a rare human papillomavirus-independent tumour type

Anjelica Hodgson, Canada

S. Stolnicu, C. Mateoiu, T. Kiyokawa, A. Felix, H. Trihia, L. De Brot, G. Karpathiou, R. Soslow, C. Parra-Herran, W. McCluggage, K. Park

003 08:50–09:00

QPOLE; a rapid, simple and cheap approach for POLE assessment in endometrial cancer by multiplex qPCR

Anne-Sophie Van Den Heerik,

The Netherlands

N. Ter Haar, L. Vermij, J. Jobsen, M. Brinkhuis, S. Roothaan, A. Leon-Castillo, G. Ørtoft, E. Hogdall, C. Hogdall, T. van Wezel, L. Lutgens, E. van der Steen-Banasik, J. McAlpine, C. Creutzberg, V. Smit, B. Gilks, N. Horeweg, T. Bosse

004 09:00–09:10

Molecular characterisation of endometrial carcinoma and prognostic risk group classification

María Emilia Brizzi, Spain

Á. López-Janeiro, V. Heredia Soto, A. Berjón, L. Yébenes, A. Peláez-García, M. Mendiola, D. Hardisson

005 09:10–09:20

Comparison of tumour infiltrating lymphocytes between endometrial carcinoma primary tumours and matched metastases

Diana F. Martins, Portugal

E. Sustatxa, M. Pires, L. Azevedo, C. Jerónimo, C. Bartosch

006 09:20–09:30

DNA methylation analysis of endometrial carcinomas identifies molecularly and clinically distinct subgroups

Basile Tessier-Cloutier, USA

J. Li, F. Kommoss, A. Lum, D. Chiu, V. Yuan, S. Leung, D. Huntsman, J. McAlpine, A. von Deimling

007 10:30–10:40

Integrated clinicopathological and molecular analysis of endometrial carcinoma: prognostic impact of the new ESGO-ESTRO-ESP endometrial cancer risk classification

Antonio De Leo, Italy

A. Corradini, F. Rosini, J. Lenzi, M. Grillini, M. Ruscelli, M. Errani, T. Maloberti, S. Coluccelli, G. Tallini, D. Santini, C. Ceccarelli, D. de Biase

008 10:40–10:50

CCND1 amplification and cyclin D1 overexpression correlate with adverse outcome in vulvar squamous cell carcinoma

Natalia Rakislova, Spain

N. Carreras-Diequez, C. Manzotti, M. del Pino, I. Trias, I. Ribera-Cortada, S. Diaz-Mercedes, L. Marimon, N. Vega, M. Rodrigo, J. Ordi

009 10:50–11:00

Worse disease-free survival for patients with vulvar squamous cell carcinoma arising on HSIL-like or VAAD/DEVIL lesions

Natalia Rakislova, Spain

N. Carreras-Diequez, C. Pumarola, M. del Pino, C. Manzotti, A. Saco, I. Trias, I. Ribera-Cortada, M. Rodrigo, S. Diaz-Mercedes, R. López del Campo, L. Marimon, J. Ordi

010 11:00–11:10

Reproducibility of low-volume lymph node metastasis assessment in endometrial cancer

Maryam Shahi, USA

D. Sadeghian, A. Yilmaz Altay, P. Biagio, M. Ghioni, G. Mehmet, D. Fanni, J. Bennett, E. Unti, J. Cheville, A. Larish

011 11:10–11:20

Evaluation of the implementation and diagnostic accuracy of the Paris classification for reporting urinary cytology in voided urine specimens: a cyto-histological correlation study in a high-volume cancer center

João Lobo, Portugal

C. Lobo, L. Leça, Á. Rodrigues, R. Henrique, P. Monteiro

012 11:20–11:30

Application of a standardised terminology and nomenclature for respiratory cytology: experience from a large tertiary respiratory cancer centre

Diarmuid O'Connor, Ireland

A. Fabre, M. Mc Nally, D. Gibbons

013 11:30–11:40

A retrospective report-based review of 4,155 consecutive patients undergoing minimally invasive thoracic lymph node sampling

Michael Bonert, Canada

S. Sayeda, H. Begum, J. Agzarian, J. Cutz, C. Finley, A. Naqvi

014 11:40–11:50

The Paris System for reporting urinary cytology: 5 years of institutional experience in a tertiary hospital

Mafalda Pinho, Portugal

R. Moiteiro da Cruz, J. Boavida, R. Luís

015 11:50–12:00

Fine needle aspiration biopsy of orbital masses: a review of 36 cases

Henryk Domanski, Sweden

J. Köster

KNL-01	Keynote Lecture
12:15–13:00	San Francisco
Chairs: Xavier Matias-Guiu Guia, Spain Rainer Grobholz, Switzerland	
2022: A Digital Pathology Odyssey	
Inti Zlobec, Switzerland	

SPEC-03	Slide Seminar
14:45–16:45	San Francisco
Joint Special Session ESP & APSS: Pseudomalignant lesions	
Chairs: Aleš Ryška, Czech Republic Andrew Folpe, USA	

001 14:45–15:02

Case 1

Petur Nielsen, USA

002 15:02–15:19

Case 2

Valérie Paradis, France

003 15:19–15:36

Case 3

Teh-Ying Chou, Taiwan

004 15:36–15:53

Case 4

Zsuzsanna Varga, Switzerland

005 15:53–16:10

Case 5

Isabela Werneck Da Cunha, Brazil

006 16:10–16:27

Case 6

Abbas Agaimy, Germany

006 16:27–16:45

Q&A

SS-01 Slide Seminar

14:45–16:45 Singapore

Breast Pathology: Challenging cases in breast pathology

Chairs: Anikó Kovács, Sweden

Falko Fend, Germany

001 14:45–15:05

Case 1

Alberto Righi, Italy

002 15:05–15:25

Case 2

James Degaetano, Malta

003 15:25–15:45

Case 3

Isabella Castellano, Italy

004 15:45–16:05

Case 4

Mieke Van Bockstal, Belgium

005 16:05–16:25

Case 5

Ulrike Heber, Austria

006 16:25–16:45

Case 6

Simone Münst, Switzerland

SC-01 Short Course

14:45–16:45

Sydney

Head & Neck Pathology: What is new in WHO 2022?

Chairs: Tim Helliwell, United Kingdom

Alessandro Franchi, Italy

001 14:45–15:02

Overall changes in volume and larynx and hypopharynx update

Tim Helliwell, United Kingdom

002 15:02–15:19

Sinonasal tract update

Alessandro Franchi, Italy

003 15:19–15:36

Salivary gland update

Alena Skálová, Czech Republic

004 15:36–15:53

Oral cavity update

Susan Muller, USA

005 15:53–16:10

Odontogenic tumour update

Edward Odell, United Kingdom

006 16:10–16:27

Neuroendocrine tumour update

Ozgur Mete, Canada

007 16:27–16:45

Q&A

SY-02 Symposium

14:45–16:45

Montreal

Nephropathology: Glomerular diseases (+Business Meeting)

Chairs: Agnieszka Perkowska-Ptasinska, Poland

Anthony Dorman, Ireland

001 14:45–15:10

Podocyte-glomerular basement membrane interactions

Christoph Schell, Germany

002 15:10–15:35

Membranous glomerulopathy – microscopic features relevant from the perspective of nephrologist

Elion Hoxha, Germany

003 15:35–16:00

Disorders of Alport's spectrum

Danica Galesic-Ljubanovic, Croatia

004 16:00–16:25

Crescents or pseudocrescents?

Helen Liapis, Germany**005** 16:25–16:45ESP Nephropathology Working
Group–Business Meeting**SC-02 Short Course****14:45–16:45 Delhi****Joint Short Course Infectious Diseases
Pathology & Pathology in Favour of
Developing Countries & Molecular
Pathology: COVID-19 in developing
countries–another face of the pandemic***Chairs: Gregor Gorkiewicz, Austria**Gerald Höfler, Austria**Giulia De Falco, United Kingdom***001** 14:45–15:10The Jiangxi experience for the rapid
detection of COVID-19 and reducing
severity of infection**Liu Yang, China****002** 15:10–15:35

COVID-19 and cancer care in Africa

Kasimu Adoke, Nigeria**003** 15:35–16:00COVID-19 in Africa: impact, diagnostics,
management and regional response to the
pandemic**Lloyd Mulenga, Zambia****004** 16:00–16:25Why Pakistan was ranked among the best
performing countries of the world for
effective control of COVID-19 pandemic?**Shahid Pervez, Pakistan****005** 16:25–16:45

Q&A

SY-03 Symposium**14:45–16:45 Shanghai****Paediatric and Perinatal Pathology: XXI
Century approach to perinatal autopsy***Chairs: Marta Cohen, United Kingdom**Kathrin Ludwig, Italy***001** 14:45–15:09Skeletal dysplasias: radiology, histology and
genetics: how far can we go?**Peter Nikkels, The Netherlands****002** 15:09–15:33

Genetics in foetal malformations

Jelena Martinovic, France**003** 15:33–15:57Perinatal and paediatric death in the
context of SARS-CoV2 infection**Marta Cohen, United Kingdom****004** 15:57–16:21

What can the placenta tell us in stillbirth

Gitta Turowski, Norway**005** 16:21–16:45

Minimally invasive autopsy

Ciaran Hutchinson, United Kingdom**OFP-03 Oral Free Paper Session****14:45–16:45 Osaka/Samarkand****Oral Free Paper Session Digestive
Diseases Pathology (Liver & Pancreas)***Chairs: Claudio Luchini, Italy**Christine Sempoux, Switzerland***001** 14:45–14:55Histopathological tumour response scoring
in resected pancreatic cancer following
neoadjuvant therapy (ISGPP-1): an
international interobserver study**Boris Janssen, The Netherlands***S. van Roessel, S. van Dieren, O. de Boer,**M. Besselink, J. Verheij, H. Wang,**C. Verbeke, A. Farina, for the International**Study Group of Pancreatic Pathologists
(ISGPP)***002** 14:55–15:05Two step- progression of non functioning
pancreatic neuroendocrine tumours
(PanNET)**Ilaria Marinoni, Switzerland***A. Di Domenico, P. Kirchner, K. Bräutigam,**R. Maire, C. Thirlwell, C. Kim-Fuchs,**A. Perren***003** 15:05–15:15Mutational profile of hepatocellular
carcinomas with microvascular invasion and
microscopic portal vein invasion. Implica-
tions for tumour progression and recur-
rence**Stefano Chillotti, Italy***T. Maloberti, D. de Biase, G. Gerinario,**M. Cescon, M. Ravaioli, A. D'Errico, F. Vasuri*

004 15:15–15:25

Acinar cystic transformation of the pancreas: clinical and molecular analysis for unravelling its heterogeneous nature

Paola Mattiolo, Italy

O. Basturk, A. Mafficini, O. Kerem, R. Lawlor, S. Hong, L. Brosens, V. Adsay, A. Scarpa, C. Luchini

005 15:25–15:35

Spatially resolved transcriptomic and proteomic analysis of pancreatic cancer reveals distinct profiles which correlate with site of recurrence

Anna Silvia Wenning, Switzerland

B. Gloor, P. Aeschbacher, A. Perren, E. Diamantis Karamitopoulou

006 15:35–15:45

A comparative analysis of CPA1, BCL10 and chymotrypsin for the distinction of pancreatic acinar cell carcinomas

Till Sebastian Clauditz, Germany

R. Uhlig, S. Minner, A. Luebke, S. Weidemann, P. Lebok, N. Gorbokon, G. Sauter, F. Jacobsen

007 15:45–15:55

Targeted next-generation sequencing of endoscopic ultrasound-guided through-the-needle-biopsies from pancreatic cystic lesions

Charlotte Rift, Denmark

L. Melchior, B. Kovacevic, P. Klausen, A. Toxværd, H. Grossjohann, J. Karstensen, L. Brink, H. Hassan, E. Kalaitzakis, J. Storkholm, D. Scheie, C. Hansen, E. Lund, P. Vilmann, J. Hasselby

008 15:55–16:05

EUS FNA vs EUS FNB of pancreatic lesions: a comparative study

Thanikachalam Pasupati Meenakshi, Malaysia

A. Narayanan, D. Shalini

009 16:05–16:15

Expression and prognostic significance of HMGA2 in pancreatic ductal adenocarcinoma and ampullary adenocarcinoma

Damla Oflas, Turkey

F. Canaz, L. Demir, İ. Özer, E. Çolak

010 16:15–16:25

Detection of perineural invasion in pancreatic adenocarcinoma using artificial intelligence

Sarah Borsekofsky, Israel

R. Hagege, D. Hershkovitz

011 16:25–16:35

Pre-invasive lesions of pancreatobiliary cancer: immunohistochemical signatures defining biological behaviour

Rita Vesce, Germany

A. Yavas, L. Häberle, I. Esposito

SS-02	Slide Seminar
14:45–16:45	Rio
Ophthalmic Pathology: Casuistic introduction in ophthalmic pathology for trainees and general pathologists	
<i>Chairs: Peter Meyer, Switzerland</i>	
Robert M. Verdijk, The Netherlands	

001 14:45–15:00

Case 1

Robert M. Verdijk, The Netherlands

002 15:00–15:15

Case 2

Alexandre Moulin, Switzerland

003 15:15–15:30

Case 3

Yamini Krishna, United Kingdom

004 15:30–15:45

Case 4

Figen Söylemezoğlu, Turkey

005 15:45–16:00

Case 5

Luis Alfaro, Spain

006 16:00–16:15

Case 6

Fiona Roberts, United Kingdom

007 16:15–16:30

Case 7

Hardeep Mudhar, United Kingdom

008 16:30–16:45

Case 8

Daniela Mihic-Probst, Switzerland

BPS-01	Best Poster Session
16:45–17:15	E-Poster Terminal 1
Best Poster Session Breast Pathology	
Chair: <i>Cecily Quinn, Ireland</i>	

BPS-02	Best Poster Session
16:45–17:15	E-Poster Terminal 2
Best Poster Session Head and Neck Pathology	
Chair: <i>Cécile Badoual, France</i>	

BPS-03	Best Poster Session
16:45–17:15	E-Poster Terminal 3
Best Poster Session IT in Pathology / Computational Pathology Symposium	
Chair: <i>Gieri Cathomas, Switzerland</i>	

BPS-04	Best Poster Session
16:45–17:15	E-Poster Terminal 4
Joint Best Poster Session Nephropathology / Ophthalmic Pathology / Paediatric and Perinatal Pathology	
Chair: <i>Amelie Dendooven, Belgium</i>	

SC-03	Short Course
17:15–19:15	San Francisco
Digestive Diseases Pathology (GI): Colorectal carcinoma and its precursors	
Chairs: <i>Robert Riddell, Canada</i> <i>Maria Westerhoff, USA</i>	

001 17:15–17:35
Adenomas and serrated lesions of the large bowel: a practical guide
Magali Svrcek, France

002 17:35–17:55
Histological subtypes of colorectal carcinoma and their clinical value
Iris Nagtegaal, The Netherlands

003 17:55–18:15
Dissection and staging of colorectal cancer and a brief update on datasets
Adrian Bateman, United Kingdom

004 18:15–18:35
The immune response, tumour budding, and stromal proportion in colorectal cancer: yet more data?
Maurice Loughrey, United Kingdom

005 18:35–18:55
Molecular pathology of colorectal carcinoma: is there a purpose?
Rondell Graham, USA

006 18:55–19:15
Q&A

SY-04	Symposium
17:15–19:15	Singapore
Breast Pathology: Excerpts from breast pathology 2022	
Chairs: <i>Zsuzsanna Varga, Switzerland</i> <i>Gábor Cserni, Hungary</i>	

001 17:15–17:35
Diagnostics and molecular aspects of lobular carcinoma
Anne Vincent-Salomon, France

002 17:35–17:55
Reproducibility in the diagnosis of lobular carcinoma
Matthias Christgen, Germany

003 17:55–18:15
Oncological aspects of lobular breast carcinoma
Bernhard Pestalozzi, Switzerland

004 18:15–18:35
Immunophenotyping of TILs in breast cancer using digital technology
Ramona Erber, Germany

005 18:35–18:55
Genetic predisposition to breast cancer – current state and future avenues
Fabienne Christine Meier-Abt, Switzerland

006 18:55–19:15
Male breast cancer, what makes it different from female breast cancer?
Abeer Shaaban, United Kingdom

SY-05	Symposium
17:15–19:15	Sydney
Head & Neck Pathology: Precancerosis of the head and neck (+Business Meeting)	
Chairs: <i>Metka Volavsek, Slovenia</i> <i>Alfons Nadal, Spain</i>	

001 17:15–17:45
Precancerous lesions of the oral cavity
Edward Odell, United Kingdom

002 17:45–18:10
Precancerous lesions of the larynx and hypopharynx
Nina Zidar, Slovenia

003 18:10–18:35
Precancerous lesions of the skin
Llucia Alos, Spain

004 18:35–19:00
Genetic and phenotypic diversity of oral leukoplakia, a potentially malignant disorder
Pierre De Saintigny, France

005 19:00–19:15
Business Meeting of the Head & Neck WG

SC-04	Short Course
17:15–19:15	Montreal
Joint Short Course Nephropathology & Uropathology: Nephropathology for uropathologists – kidney tumours for nephropathologists	
Chairs: <i>Verena Bröcker, Sweden</i> <i>Rodolfo Montironi, Italy</i>	

001 17:15–17:50
Non-neoplastic pathology in tumour nephrectomies
Dilek Ertoy Baydar, Turkey

002 17:50–18:15
Have you recognised ... in your tumour nephrectomy?
Saba Kiremitci, Turkey

003 18:15–18:45
Expect the unexpected: kidneys with non-tumour mimickers of malignancy and vice-versa
Maria Picken, USA

004 18:45–19:15
Diagnostic approach to renal cell carcinoma with eosinophilic cytoplasm
Kiril Trpkov, Canada

SY-06	Symposium
17:15–19:15	Delhi
Molecular Pathology: The Molecular Tumour Board	
Chairs: <i>Gerald Höfler, Austria</i> <i>Giorgio Stanta, Italy</i>	

001 17:15–17:55
The vagaries of personalised oncology–challenges in translating molecular profiles into clinical practice
Philipp Jost, Austria

002 17:55–18:35
Molecular tumour boards in clinical practice
Chantal Pauli, Switzerland

003 18:35–19:15
Regional multicenter MTBs: challenges and opportunities
Aldo Scarpa, Italy

SY-07	Symposium
17:15–19:15	Shanghai
Joint Symposium Paediatric and Perinatal Pathology & Thymic and Mediastinal Pathology: Thymic and mediastinal lesions in children and young adults	
Chairs: <i>Jan von der Thüsen, The Netherlands</i> <i>Aurore Coulomb, France</i>	

001 17:15–17:35
Lymphomas and non-neoplastic lymphadenopathies of the mediastinum in children
Laurence de Leval, Switzerland

002 17:35–17:55
Small blue round cell tumours of mediastinum in children
Wieslawa Grajkowska, Poland

003 17:55–18:15
Thymic epithelial tumours in children
Thierry Molina, France

004 18:15–18:30
Vascular tumours and malformations involving the mediastinum
Isabel Colmenero, Spain

005 18:30–18:45
Other benign lesions of the thymus and mediastinum in children and young adults
Maureen O'Sullivan, Ireland

006 18:45–19:15
Q&A

OFFP-04 Oral Free Paper Session

17:15–19:15 Osaka/Samarkand

Joint Oral Free Paper Session Soft Tissue
and Bone Pathology / Infectious Diseases
PathologyChairs: *Bharat Rekhi, India**Natalia Rakislova, Spain*

001 17:15–17:25

Whole-exome sequencing of chordoma with
special emphasis on chromatin regulatory
genes and recurrences**Sarah Rebecca Ullmann, Germany***A. Roessner, J. Schreier, D. Schanze,
C. Lohmann, M. Röpke, D. Jechorek,
S. Franke*

002 17:25–17:35

Extraskelletal myxoid chondrosarcoma: a
morphological, immunohistochemical and
molecular analysis of 31 cases**Antonio Llombart-Bosch, Spain***F. Giner, I. Machado, S. Navarro,
A. Ferrandez Izquierdo*

003 17:35–17:45

A single-institution experience with 11
cases of extraskelletal myxoid chondrosar-
coma: rare fusions, unusual morphology
and the utility of INSM1 immunohisto-
chemistry**Natalie Klubickova, Czech Republic***J. Lenz, M. Michal, M. Michal*

004 17:45–17:55

Differential Cyclin-E1 expression in CIC-
rearranged sarcoma and Ewing sarcoma**Berna Karabulut, Turkey***O. Kandemir, S. Yenidunya,
K. Kosemehmetoglu, F. Ardic Yukruk*

005 17:55–18:05

PDL1 expression correlates with the density
of tumour-infiltrating lymphocytes (TILs) in
high-grade osteosarcoma and is an
independent marker irrespective of disease
progression and metastasis – an ambispec-
tive cross sectional study**Saad Salman, India***A. Barwad, A. Mridha, S. Bakhshi, V. Iyer*

006 18:05–18:15

Ostblastoma-like osteosarcoma: a case
series and literature review**Selim Sevim, Turkey***E. Gedik, S. Yuksel, M. Karaca, H. Yildiz,
G. Kaygusuz*

007 18:15–18:25

Prognostic value of vessels encapsulating
tumour clusters (VETC) in sarcoma**Salvatore Lorenzo Renne, Italy***M. Tassan-Mangina, I. Santori, L. Ruspi,
F. Sicoli, P. Colombo, M. Cammelli,
V. Quagliuolo, L. Terracciano, L. Di
Tommaso, F. Cananzi*

008 18:25–18:35

Immunohistochemical expression of
H3.3G34W in 67 giant cell tumours of bone
and its diagnostic mimics: a single
institutional study at a tertiary cancer
referral centre in India**Bharat Rekhi, India***V. Dave, S. Kettle, O. Shetty, A. Puri*

009 18:35–18:45

COVID-19 placentitis in pregnant women
may be complicated by foetal death**Pavel Babal, Slovakia***L. Krivošíková, I. Deckov, M. Ondrejka,
P. Martanovic, P. Janega*

010 18:45–18:55

Histological and molecular features of
placental and foetal tissues in pregnancies
with SARS-CoV-2- positive mothers during
second and third trimester: the Bergamo
experience in vertical transmission**Denise Morotti, Italy***L. Patane, M. Cadamuro, V. Poletti de
Chaurand, M. Arosio, L. Goisis, G. Massazza,
E. Rigoli, P. Tebaldi, A. Gianatti*

011 18:55–19:05

Diagnostic value of ITS sequencing in
mucormycosis – a retrospective sin-
gle-center study**Martin Zacharias, Austria***A. Thüringer, K. Kashofer, R. Krause,
G. Gorkiewicz*

012 19:05–19:15

Comprehensive analysis of bronchoalveolar
lavage in severe COVID19 patients**Gheorghe-Emilian Olteanu, Romania***E. Baldasso, F. Lunardi, F. Fortarezza,
F. Pezzuto, A. Kilitci, L. Moracci, V. Tauro,
L. Vedovelli, C. Del Vecchio, A. Boscolo,
P. Navalesi, F. Calabrese*

SC-05	Short Course
17:15–19:15	Rio
Joint Short Course Electron Microscopy & Ophthalmic Pathology: Ultrastructural diagnoses on the eye and adnexa	
Chairs: <i>Giovanna Cenacchi, Italy</i> <i>Hardeep Mudhar, United Kingdom</i>	

- 001** 17:15–17:39
EM for corneal dystrophy
Robert M. Verdijk, *The Netherlands*
- 002** 17:39–18:03
EM for storage disease on skin or conjunctival biopsy
Giovanna Cenacchi, *Italy*
- 003** 18:03–18:27
An eye out for SARS-CoV-2
Giulio Ferrari, *Italy*
- 004** 18:27–18:51
EM for kristalline corneopathy
Peter Meyer, *Switzerland*
- 005** 18:51–19:15
EM for corneal infection
Hardeep Mudhar, *United Kingdom*

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Please visit the
ESP Booth
in the Foyer on the 2nd Floor

► Monday, 5 September 2022

SY-08 **Symposium****08:30–12:00** **San Francisco****Digestive Diseases Pathology (GI): Upper gastrointestinal tract pathology: new insights***Chairs: Roger Feakins, United Kingdom
Dhanpat Jain, USA***001** 08:30–08:55

Histological and molecular classification of oesophagogastric carcinomas

*Fatima Carneiro, Portugal***002** 08:55–09:20

Infections of the upper GI tract in the immunocompetent and immunosuppressed

*Nicole Panarelli, USA***003** 09:20–09:30

Q&A–Part I

004 10:30–10:55

Coeliac disease: new approaches for new forms

*Arzu Ensari, Turkey***005** 10:55–11:20

Eosinophilic oesophagitis and rarer types of non-infective oesophagitis

*Maryam Pezhhouh, USA***006** 11:20–11:45

Barrett's oesophagus: diagnosis and prognosis in 2022 and beyond

*Manuel Rodriguez-Justo, United Kingdom***007** 11:45–12:00

Q&A–Part II

SPEC-04 **Special Session****08:30–12:00** **Singapore****Joint Special Session ESP & ESGO: Genetic tumour syndromes of the female genital tract***Chairs: Maria Rosaria Raspollini, Italy
Anna Fagotti, Italy***001** 08:30–09:00

Histopathology of Lynch syndrome and Cowden syndrome

*Xavier Matias-Guiu Guia, Spain***002** 09:00–09:30

BRCA1/2-associated hereditary breast and ovarian cancer syndrome and Li-Fraumeni syndrome

*Sigurd Lax, Austria***003** 10:30–11:00

Histopathology of DICER1 syndrome, hereditary leiomyomatosis

*Sabrina Croce, France***004** 11:00–11:30

Genetic counselling and testing for tumour predispositions of the female genital tract

*Karl Heinemann, Switzerland***005** 11:30–12:00

Clinical management of genetic tumour syndromes of the female genital tract

*Anna Fagotti, Italy***SY-09** **Symposium****08:30–12:00** **Sydney****Haematopathology: Molecular pathogenesis of T-cell lymphomas***Chairs: Leticia Quintanilla-Fend, Germany
Laurence De Leval, Switzerland***001** 08:30–09:00

Deciphering peripheral T-cell lymphoma, nos

*Miguel Piris, Spain***002** 09:00–09:30

The molecular characteristics of gastrointestinal T-cell lymphoproliferative disorders

*Laurence de Leval, Switzerland***003** 10:30–11:00

What is new in T-follicular helper cell derived T-cell lymphomas

*Philippe Gaulard, France***004** 11:00–11:30

Revisiting T-cell cutaneous lymphomas

*John Goodlad, United Kingdom***005** 11:30–12:00

Anaplastic large cell lymphoma, how many molecular subgroups?

Camille Laurent, France

SPEC-05	Special Session
08:30–12:00	Montreal
Special Session Swiss Society: Patient-pathologist consultation: the next generation pathology and pathologists?	
Chairs: <i>Gieri Cathomas, Switzerland</i> <i>Lija Joseph, USA</i>	

- 001** 08:30–09:00
The attitude of pathologists toward direct patient-pathologist contact
Gieri Cathomas, Switzerland
- 002** 09:00–09:30
What the pathologist should know before he or she starts the patient-pathologist consultation: the psychologist's view
Marie-Luise Fontana, Switzerland
- 003** 10:30–11:00
Patient empowerment: what role does the pathologist play? – the view of patients and caregivers
Miriam Döbeli, Switzerland
- 004** 11:00–11:30
The direct interaction with patients during FNA: The University Hospital Zurich experience.
Daniela Lenggenhager, Switzerland
- 005** 11:30–12:00
Patient-pathologist consultation: the Lowell General Hospital experience
Lija Joseph, USA

LC-04	Long Course
08:30–12:00	Delhi
Cytopathology: Lung cytopathology	
Chairs: <i>Philippe Vielh, France</i> <i>Fernando Schmitt, Portugal</i>	

- 001** 08:30–08:35
Introduction to the ESP WG Cytopathology and IAC session
Philippe Vielh, France
- 002** 08:35–08:45
Introduction to the IAC/IARC reporting systems and categories
Fernando Schmitt, Portugal
- 003** 08:45–09:00
Insufficient/inadequate/nondiagnostic
Sule Canberk, Portugal

- 004** 09:00–09:20
Benign
Marianne Engels, Germany
- 005** 09:20–09:30
Q&A
- 006** 10:30–10:50
Atypical and suspicious
Lester Layfield, USA
- 007** 10:50–11:10
Malignant
Lukas Bubendorf, Switzerland
- 008** 11:10–11:30
Ancillary testing
Sinchita Roy-Chowdhuri, USA
- 009** 11:30–12:00
Q&A

SS-03	Slide Seminar
08:30–12:00	Shanghai
Joint Slide Seminar Head and Neck Pathology & Soft Tissue and Bone Pathology: Epithelial vs mesenchymal–differential diagnosis in the head and neck	
Chairs: <i>Bharat Rekhi, India</i> <i>Abbas Agaimy, Germany</i>	

- 001** 08:30–08:50
Case 1
Corinne Bouvier, France
- 002** 08:50–09:10
Case 2
Valerie Costes Martineau, France
- 003** 09:10–09:30
Case 3
Alessandro Franchi, Italy
- 004** 10:30–10:48
Case 4
Michel Wassef, France
- 005** 10:48–11:06
Case 5
Uta Flucke, The Netherlands
- 006** 11:06–11:24
Case 6
Daniel Baumhoer, Switzerland
- 007** 11:24–11:42
Case 7
Abbas Agaimy, Germany

008 11:42–12:00

Case 8

Joze Pizem, Slovenia**OFP-05** Oral Free Paper Session**08:30–12:00** Osaka/Samarkand

Joint Oral Free Paper Session Uropathology / Nephropathology

Chairs: **Felix Bremmer, Germany****Maika Büttner-Herold, Germany****001** 08:30–08:40

Outcomes according to consensus molecular subtypes of urothelial carcinoma after neoadjuvant chemotherapy in the GETUG-AFU V05 VESPER trial

Yves Allory, France*C. S. Groeneveld, V. Harter, C. Krucker, V. Dixon, A. de Reynies, S. Culine, C. Pfister, F. Radvanyi***002** 08:40–08:50

Clinicopathologic and molecular spectrum of testicular sex-cord stromal tumours not amenable to specific histopathologic subclassification

Stephanie Siegmund, USA*H. Tsai, I. Tran, Y. Yang, V. Vasudevaraja, M. Snuderl, K. Cornejo, M. Idrees, K. Al-Obaidy, K. Collins, J. Gordetsky, S. Wobker, K. Trpkov, A. Yilmaz, G. Quiroga-Garza, W. Anderson, M. Hirsch, C. Magi-Galluzzi, A. Acosta***003** 08:50–09:00

Defining lineage plasticity in androgen indifferent prostate cancer

Souzana Logotheti, Greece*H. Vundavilli, M. Estecio, R. Soundararajan, P. Shepherd, J. Dong, A. Hoang, S. Guo, N. Navone, V. Tzelepi, C. Logothetis, Y. Lu, W. Wang, A. Aparicio***004** 09:00–09:10

RNA-seq profiling of upper tract urothelial carcinoma: relevance of the bladder cancer consensus molecular classification, molecular heterogeneity and differential immune signatures

Jacqueline Fontugne, France*E. Xylinas, C. Krucker, V. Dixon, C. S. Groeneveld, H. Pinar, G. Califano, M. Bucau, J. Verine, F. Desgrandchamps, J. Hermieu, F. Radvanyi, Y. Allory, A. Masson-Lecomte***005** 09:10–09:20

Spatial interplay between TIM3+, PD-L1+, PD-1+ and CLTA-4+ immune/ tumour cells using 18+1 BLEACH&STAIN mflHC in more than 5 000 tissue samples

Niclas Blessin, Germany*N. F. Debatin, E. Bady, J. Müller, T. Mandelkow, M. Lurati, R. Simon, C. Hube-Magg***006** 09:20–09:30

Successful deployment of an AI solution for prostate biopsies diagnosis in clinical practice

Oleg Sukmanov, Israel*A. Yosepovich, S. Ish – Shalom, S. Ikher, N. Ziv-Sokolovski, N. Temper, R. Ziv, I. Krasnitsky, I. Yazbin, G. Mallel, M. Grinwald, C. Linhart, M. Vecsler***007** 10:30–10:40

The new entities LOT and EVT among oncocytic tumours of the kidney: a retrospective mono-institutional experience with re-analysis of 16 cases

Alessandra Bressan, Italy*P. Colombo, M. Valeri, M. Cieri, G. Elefante, S. Pancetti, V. Belsito, L. Terracciano, R. Hurle, M. Lazzeri, P. Casale***008** 10:40–10:50

A novel pT1 substaging system for high-grade urothelial bladder carcinoma: a prospective mono-institutional confirmatory progression risk analysis

Marina Valeri, Italy*R. Contieri, V. Fasulo, M. Cieri, G. Elefante, C. De Carlo, A. Bressan, C. Saitta, A. Gobbo, P. Avolio, R. Hurle, M. Lazzeri, G. Taverna, L. Terracciano, P. Colombo***009** 10:50–11:00

Computational analysis of nuclear features as a grading tool for urothelial carcinoma

Ibrahim Fahoum, Israel*D. Rattner, A. Zubkov, A. Greenberg, O. Greenberg, R. Naamneh, V. Zemser-Werner, S. Tsuriel, R. Hagege, D. Hershkovitz*

010 11:00–11:10

Tumour microenvironment immune markers associated with pathologic response to neoadjuvant pembrolizumab in muscle-invasive bladder cancer (Pure-01 trial: an open label, single arm, Phase II study)

Laura Cattaneo, Italy

L. Carpenito, C. Napolitano, V. Lagano, I. Bersani, P. Giannatempo, A. Necchi, N. Nicolai, P. Biagio, M. Colecchia, G. Pruneri, R. Mortarini, A. Anichini

011 11:10–11:20

CD163+ M2 macrophage tissue infiltration and urinary soluble CD163 in IgA nephropathy

Vinita Agrawal, India

S. Singh, S. Kamthan, N. Prasad, V. Agarwal

012 11:20–11:30

Podocyte injury – aristolochic acid nephropathy in mice

Dejan Miljkovic, Serbia

J. Grujic-Milanovic, I. Capo, M. Popovic, T. Kravic-Stevovic, J. Popovic, D. Lalosevic

013 11:30–11:40

Deep learning-based histopathologic segmentation of peritubular capillaries in kidney transplant biopsies

Dominique Van Midden, The Netherlands

M. Hermsen, E. Steenbergen, L. Hilbrands, J. van der Laak

014 11:40–11:50

Training a deep learning model for quantification of fibrosis in non-neoplastic kidney biopsies—a feasibility study

Sabine Leh, Norway

N. Mola, E. Hodneland, H. Weishaupt

015 11:50–12:00

Relationship between immunosuppressive treatment, morphology, and gene expression in T-cell-mediated rejection of the transplanted kidney

Dejan Dobi, Hungary

S. Chandran, J. Greenland, F. Vincenti, Z. Laszik

OFP-06 Oral Free Paper Session

08:30–12:00 Rio

Joint Oral Free Paper Session Pulmonary Pathology / Thymic and Mediastinal Pathology

*Chairs: Verena Tischler, Germany
Luka Brcic, Austria*

001 08:30–08:40

Multi-case learning model for predicting EGFR and KRAS gene mutation in non-small cell lung cancer

Yueping Liu, China

Y. Ding, C. Wu, Y. Zhao, J. Yao

002 08:40–08:50

Three cancer associated fibroblasts subtypes are associated with histological features, immune environment and prognosis in resected non-small cell lung cancer (NSCLC)

Edouard Guenzi, France

K. El Hussein, A. Guyard, A. Mailleux, P. Mordant, A. Couvelard, B. Crestani, A. Cazes, G. Zalcman, N. Pote

003 08:50–09:00

Some aspects of lung fibrosis in COVID-19

Vsevolod Zinserling, Russia

N. Semenova, D. Baram

004 09:00–09:10

Evaluation of acquired resistance to sotorasib in patients with KRAS p. G12C-mutated non-small cell lung cancer: biomarker analysis using plasma from the CodeBreak 100 trial

Alfredo Addeo, Switzerland

J. Wolf, B. Li, V. Velcheti, G. Dy, S. Ramalingam, A. Hindoyan, A. Anderson, A. Ang, F. Skoulidis, J. Delord

005 09:10–09:20

PD-L1 22C3 Lab Developed Test (LDT) for the Ventana's BenchMark platform is clinically effective in NSCLC and can be used safely instead of the FDA approved DAKO platform: nation-wide experience and real-life validation (2016-2022)

Tzahi Neuman, Israel

G. Vainer

006 09:20–09:30

Pulmonary asbestos fiber burden, fiber types and their effects on mortality in patients with malignant pleural mesothelioma

Henrik Wolff, Finland

S. Laaksonen, E. Kettunen, E. Sutinen, I. Ilonen, T. Vehmas, T. Tormakangas, J. Rasanen, M. Myllarniemi

008 10:30–10:40

Do different ALK positivity rates affect treatment response and prognosis in non small cell carcinoma of the lung?

Elif Yumuk, Turkey

A. Ağalar, D. Gürel, M. Arslan, M. Keser, Ç. Ulukuş, İ. Öztol

009 10:40–10:50

Pathologic assessment of resected stage III non-small cell lung cancer after neoadjuvant chemotherapy: identification of new prognostic factors

Francesca Lunardi, Italy

S. Tzorakoleftheraki, L. Vedovelli, F. Fortarezza, F. Pezzuto, A. Ferro, M. Schiavon, D. Gregori, F. Rea, G. Pasello, F. Calabrese

010 10:50–11:00

Asbestos body number in the lung of malignant pleural mesothelioma resected by extrapleural pneumonectomy

Kazunori Okabe, Japan

K. Hara, H. Miyamoto, N. Furukawa, T. Kimura

011 11:00–11:10

Prevalence of TTF-1 negative lung adenocarcinoma on lung core biopsy with EGFR, ALK and PD-L1 status

Shahistha Sayeda, Canada

A. Naqvi, H. Begum, C. Finley, C. Coschi, R. Juergens, M. Bonert

012 11:10–11:20

Histologic features, nuclear grading, BAP1 and PD-L1 expression in malignant pleural mesothelioma: analysis of a mono-institutional series

Havva Gokce Terzioglu, Turkey

S. Onder

013 11:20–11:30

Evaluation of predictive markers for the patterns of metastatic disease in patients with pulmonary adenocarcinoma

Janina Wolf, The Netherlands

P. Claahsen, E. Andrinopoulou, D. Mustafa, M. Kros, J. von der Thüsen

014 11:30–11:40

Expression of phagocytosis markers and phagocytosis inhibitors in Usual Interstitial Pneumonia (UIP)

Margarete Neururer, Austria

L. Brcic, S. Eidenhammer, H. Popper

015 11:40–11:50

Large-scale human tissue analysis identifies Uroplakin 3B as a useful diagnostic marker for mesothelioma and normal mesothelial cells

Frank Jacobsen, Germany

V. Reischwich, D. Atug, C. Fraune, R. Uhlig, V. Chirico, C. Völkel, T. Clauditz, F. Büschel, A. Marx

016 11:50–12:00

The relationship of VSIR(VISTA) and PD-L1 expressions with histological subtypes in mesothelioma

Medine Dicleli, Turkey

KNL-02**Keynote Lecture****12:15–13:00****San Francisco**

Chairs: **Holger Moch**, Switzerland

Zsuzsanna Varga, Switzerland

Mammalian target of rapamycin (mTOR) signalling in growth and metabolism

Michael N. Hall, Switzerland

SS-04**Slide Seminar****14:45–16:45****San Francisco**

Joint Slide Seminar Digestive Diseases Pathology (GI) in collaboration with ECCO: Complications of inflammatory bowel diseases

Chairs: **Robert Riddell**, Canada

Paula Borralho Nunes, Portugal

001 14:45–15:05

Case 1

Paula Borralho Nunes, Portugal

002 15:05–15:25

Case 2

Ann Driessen, Belgium

003 15:25–15:45

Case 3

Francesca Rosini, Italy

004 15:45–16:05

Case 4

Shaun Walsh, United Kingdom

005 16:05–16:25

Case 5

Greg Lauwers, USA

006 16:25–16:45

Case 6

Aart Mookhoek, Switzerland

SS-05 Slide Seminar

14:45–16:45 Singapore

Gynaecological Pathology: Cases resolved by molecular pathology

Chairs: Sigurd Lax, Austria

Annette Staebler, Germany

001 14:45–15:00

Case 1

Ana Felix, Portugal

002 15:00–15:15

Case 2

Jose Palacios Calvo, Spain

003 15:15–15:30

Case 3

Tjalling Bosse, The Netherlands

004 15:30–15:45

Case 4

Raji Ganesan, United Kingdom

005 15:45–16:00

Case 5

Angela Santoro, Italy

006 16:00–16:15

Case 6

Koen Van De Vijver, Belgium

007 16:15–16:30

Case 7

Pierre-Alexandre Just, France

008 16:30–16:45

Case 8

Mojgan Devouassoux-Shisheboran, France

SC-06 Short Course

14:45–16:45

Sydney

Haematopathology: The shifting sands of small B-cell lymphoma (an update of modifications to criteria for classifying various small B-cell lymphoma)

Chairs: Stefan Dirnhofer, Switzerland

Birgitta Sander, Sweden

001 14:45–15:15

Mantle cell lymphoma, one or two diseases?

Birgitta Sander, Sweden

002 15:15–15:45

Follicular lymphoma, how many diseases?

Leticia Quintanilla-Fend, Germany

003 15:45–16:15

The evolving criteria of CLL

Elias Campo, Spain

004 16:15–16:45

The many faces of marginal zone lymphoma

Stefan Dirnhofer, Switzerland

VM-01 Videomicroscopy

14:45–16:45

Montreal

Pulmonary Pathology: Pitfalls in non-neoplastic lung pathology

Chairs: Fiorella Calabrese, Italy

Katharina Wassilew, United Kingdom

001 14:45–15:05

Case 1

Gregor Gorkiewicz, Austria

002 15:05–15:25

Case 2

Spasenija Savic-Prince, Switzerland

003 15:25–15:45

Case 3

Cristian Ortiz-Villalon, Sweden

004 15:45–16:05

Case 4

Aurelie Fabre, Ireland

005 16:05–16:25

Case 5

Sergei Timofeev, Russia

006 16:25–16:45

Case 6

Izidor Kern, Slovenia

SY-10 Symposium

14:45–16:45 **Delhi****Endocrine Pathology: Novelties from the 5th edition of the WHO classification of thyroid tumours**Chairs: **Catarina Eloy, Portugal**
Ozgur Mete, Canada

001 14:45–15:15

Farewell to papillary microcarcinoma
Manuel Sobrinho Simoes, Portugal

002 15:15–15:45

Invasion keeps selecting the good ones from the bad ones—stratifying well differentiated thyroid carcinomas
Aleš Ryška, Czech Republic

003 15:45–16:15

High grade features in follicular derived thyroid tumours—where are the limits?
Giovanni Tallini, Italy

004 16:15–16:45

New entities
Ozgur Mete, Canada

SC-07 Short Course

14:45–16:45 **Shanghai****Soft Tissue and Bone Pathology: Sarcoma without borders: is it really mesenchymal and differential diagnosis to consider!**Chairs: **Daniel Baumhoer, Switzerland**
François Le Loarer, France

001 14:45–15:05

Towards the end of disease-defining fusion genes?
Florian Haller, Germany

002 15:05–15:25

Sarcomatoid /spindle cell carcinomas – how far can we go?
Wolfgang Hartmann, Germany

003 15:25–15:45

Poorly differentiated haematological malignancies mimicking sarcomas
Alexandar Tzankov, Switzerland

004 15:45–16:05

Sarcomas with melanocytic/neural differentiation versus non mesenchymal differentials
Michael Michal, Czech Republic

005 16:05–16:25

Tumours with rhabdomyoblastic differentiation: not always a rhabdomyosarcoma...
Francois Le Loarer, France

006 16:25–16:45

SMARCA4/B1-deficient tumours: controversial nosologies
Angelo Paolo Dei Tos, Italy

007 16:45–17:00

Business Meeting of the Soft Tissue and Bone WG

SS-06 Slide Seminar

14:45–16:45 **Osaka/Samarkand****Joint Slide Seminar Nephropathology & Electron Microscopy: When magnification matters**Chairs: **Stefan Porubsky, Germany**
Dolores Naranjo Hans, Spain

001 14:45–15:09

Case 1
Jan Hinrich Bräsen, Germany

002 15:09–15:33

Case 2
Paula Rodríguez-Martínez, Spain

003 15:33–15:57

Case 3
Francesca Diomedì Camassei, Italy

004 15:57–16:21

Case 4
Fabio Pagni, Italy

005 16:21–16:45

Case 5
Stefan Porubsky, Germany

OFP-07 Oral Free Paper Session

14:45–16:45 **Rio****Oral Free Paper Session Dermatopathology**Chairs: **Zlatko Marušić, Croatia**
Isabel Kolm-Djamei, Switzerland

001 14:45–14:55

Mutations detected by next generation sequencing in primary and metastatic melanoma samples and correlation with clinico-histopathological parameters
Vasiliki Siozopoulou, Belgium
J. B. S. Liu, K. Zwaenepoel, K. De Winne, A. Pouliakis, P. Pauwels

002 14:55–15:05
The utility of PRAME in the diagnostic approach of cutaneous melanocytic lesions
Vasiliki Siozopoulou, Belgium
K. De Corte, K. Zwaenepoel, A. Pouliakis, S. Koljenovic

003 15:05–15:15
PRAME immunoexpression in 275 cutaneous melanocytic lesions: a single institutional experience
Gerardo Cazzato, Italy
A. Colagrande, D. Di Nanni, G. Ingravallo, E. Maiorano, L. Resta

004 15:15–15:25
Cutaneous histopathological findings in systemic amyloidosis
Claudia Andrea Gomez Gonzalez, Turkey
B. Yaman, A. Acar, T. Akalin, B. Sarsik Kumburaci, A. Çeltik, S. Şen

005 15:25–15:35
Rare histopathological findings in Erythema migrans: a 5 year retrospective study from Freiburg Dermatopathology Unit and review of the literature
Carlos Faria, Portugal
A. Pina, K. Deml, K. Wallerius, S. Kraft, S. Hörster, W. Weyers

006 15:35–15:45
Cutaneous lupus erythematosus: a 5-year casuistic study from a Portuguese dermatopathology department
Carlos Faria, Portugal
A. Alves, C. Courelas, O. Tellechea, J. Cardoso

007 15:45–15:55
Correlation between line-field confocal optical coherence tomography and histopatology. Preliminary results
Rosario Caltabiano, Italy
G. Broggi, F. Lacarrubba, A. Verzi, G. Micali

008 15:55–16:05
The challenging differential diagnosis of ALK-positive cutaneous lesions, a case series
Lotte Keulen, Belgium
J. Liu, K. De Winne, P. Pauwels, V. Siozopoulou

009 16:05–16:15
Melanoma in situ with regression
Havva Gokce Terzioğlu, Turkey
O. Gokoz, D. Ateş Özdemir,

010 16:15–16:25
Progressive disease in sentinel-negative melanoma patients: biological differences and importance of sentinel lymph node biopsy
Umberto Maccio, Switzerland
A. Conrad, M. Reinehr, D. Holzmann, J. Mangana, M. Wanner, M. Huellner, R. Barnhill, C. Lugassy, N. Lindenblatt, D. Mihic-Probst

011 16:25–16:35
PRAME expression in dysplastic nevi
Lorenzo Innocenti, Italy
R. Scarpitta, V. Ortenzi, A. Bonadio, B. Loggini, C. Scatena

012 16:35–16:45
Somatostatin receptor type 2a (SSTR2a) immunohistochemical expression pattern in Merkel cell carcinoma- a pilot study
Alexandros Sykaras, Greece
C. Vourlakou, C. Kouvidou

BPS-05 Best Poster Session
16:45–17:15 E-Poster Terminal 1
Best Poster Session | Digestive Diseases Pathology–GI
Chair: **Jean-Francois Fléjou, France**

BPS-06 Best Poster Session
16:45–17:15 E-Poster Terminal 2
Best Poster Session | Gynaecological Pathology
Chair: **Ana Felix, Portugal**

BPS-07 Best Poster Session
16:45–17:15 E-Poster Terminal 3
Joint Best Poster Session | Haematopathology / Soft Tissue and Bone Pathology
Chair: **Bharat Rekhi, India**

SY-11 Symposium
17:15–19:15 San Francisco
Joint Symposium Digestive Diseases Pathology (GI) & IT in Pathology: Artificial intelligence (AI) in digestive diseases: needed or needless?
Chairs: **Inti Zlobec, Switzerland**
Xuchen Zhang, USA

001 17:15–17:30
Setting the stage for AI in digestive diseases: needed or needless?
Luca Di Tommaso, Italy

002 17:30–17:45

Are computer-aided diagnostics ready for clinical acceptance?

Sara Pires Oliveira, Portugal

003 17:45–18:00

Lower GI cancers: do we really need computer-aided diagnostics?

Iris Nagtegaal, The Netherlands

004 18:00–18:15

Molecular subtype predictions in colorectal cancer: what's out there?

Viktor Kölzer, Switzerland

005 18:15–18:30

Will AI play a role in the diagnosis of upper GI cancers?

Heike Grabsch, The Netherlands

006 18:30–18:45

Current trends in AI for IBD pathological assessment

Rupert Langer, Austria

007 18:45–19:15

Q&A

SC-08	Short Course
17:15–19:15	Singapore
Gynaecological Pathology: Rare entities	
Chairs: Ben Davidson, Norway	
Carla Bartosch, Portugal	

001 17:15–17:40

Trophoblastic neoplasia

Baljeet Kaur, United Kingdom

002 17:40–18:05

WHO 2020 new categories of endometrial carcinoma

Glenn McCluggage, United Kingdom

003 18:05–18:30

Myxoid mesenchymal lesions

Esther Oliva, USA

004 18:30–18:55

Non-myxoid female genital tract sarcomas

Sabrina Croce, France

005 18:55–19:15

Q&A

SS-07 Slide Seminar

17:15–19:15

Sydney

Haematopathology: Myeloid (and lymphoid) neoplasms with tyrosine kinase fusion genes / Mastocytosis

Chairs: **Hans Michael Kvasnicka, Germany**

Roos Leguit, The Netherlands

001 17:15–17:30

Case 1

Thomas Menter, Switzerland

002 17:30–17:45

Case 2

Alexandar Tzankov, Switzerland

003 17:45–18:00

Case 3

Yara Banz, Switzerland

004 18:00–18:15

Case 4

Alexandar Tzankov, Switzerland

005 18:15–18:30

Case 5

Ludmila Boudová, Czech Republic

006 18:30–18:45

Case 6

Roos Leguit, The Netherlands

007 18:45–19:00

Case 7

Hans Michael Kvasnicka, Germany

008 19:00–19:15

Case 8

Monika Klimkowska, Sweden

SY-12 Symposium

17:15–19:15

Montreal

Joint Symposium Virchows Archiv & History of Pathology: 200th anniversary of Rudolf Virchow

Chairs: **Daniela Massi, Italy**

Sigurd Lax, Austria

Rosa Helena Henriques De

Gouveia, Portugal

001 17:15–17:35

Rudolf Virchow: the pathologist

Vincenzo Canzonieri, Italy

002 17:35–17:55

Pathology during Virchow's time

Gabriella Nesi, Italy

003 17:55–18:15

Virchow's Triad

L. Maximilian Buja, USA

004 18:15–18:35

Virchows Archiv: the path to the European Journal of Pathology

Fred Bosman, The Netherlands

005 18:35–19:15

Q&A

SS-08 Slide Seminar

17:15–19:15

Delhi

Endocrine Pathology: Challenging thyroid and other (neuro)endocrine cases: beyond the ordinary landscape

*Chairs: Manuel Sobrinho Simoes, Portugal
Ronald Ghossein, USA*

001 17:15–17:35

Case 1

Eva Sigstad, Norway

002 17:35–17:55

Case 2

Jose Manuel Cameselle Teijeiro, Spain

003 17:55–18:15

Case 3

Catarina Eloy, Portugal

004 18:15–18:35

Case 4

Myriam Decaussin-Petrucci, France

005 18:35–18:55

Case 5

Amedeo Sciarra, Switzerland

006 18:55–19:15

Case 6

Thibault Kervarrec, France

SC-09 Short Course

17:15–19:15

Shanghai

Soft Tissue and Bone Pathology: Vascular lesions of bone and soft tissues

*Chairs: Julie C. Fanburg-Smith, USA
Chantal Pauli, Switzerland*

001 17:15–17:32

Clinical presentations of vascular tumours and new therapies

Friedrich Kapp, Germany

002 17:32–17:49

Imaging of vascular tumours

Paul O'Donnell, United Kingdom

003 17:49–18:06

The molecular pathogenesis of vascular tumours and when should I think about germ line disease?

Miikka Vikkula, Belgium

004 18:06–18:23

Benign vascular tumours: haemangioma vs vascular malformation?

Isabel Colmenero, Spain

005 18:23–18:40

The spectrum of borderline vascular tumours

Fernanda Amary, United Kingdom

006 18:40–18:57

Controversies in angiosarcomas: high grade and low grade-looking AS

Judith Bovee, The Netherlands

007 18:57–19:15

Q&A

SY-13 Symposium

17:15–19:15

Osaka/Samarkand

Joint Symposium Electron Microscopy & Infectious Diseases Pathology: Pathogens in tissues: Ultrastructural diagnostics and pathomechanisms inferred

*Chairs: Giovanna Cenacchi, Italy
Gregor Gorkiewicz, Austria*

001 17:15–17:55

Renal malakoplakia: importance of electron microscopy

Ana Belen Larque, Spain

002 17:55–18:35

Ultrastructural findings of new and old infectious agents in immunocompetent and immunosuppressed patients

Renzo Boldorini, Italy

003 18:35–19:15

SARS-Cov2 and myopathies

Nuria Juanpere, Spain

OFP-08 Oral Free Paper Session

17:15–19:15 Rio

Joint Oral Free Paper Session Paediatric and Perinatal Pathology / Autopsy Pathology

Chairs: **Rajeev Shukla**, United Kingdom
Rui Caetano Oliveira, Portugal

001 17:15–17:25

Digital pathology approach for prognostication of neuroblastoma

Tamas Micsik, Hungary*N. Tari, T. Werber*

002 17:25–17:35

Wilms' tumour 1 expression in eutopic and ectopic decidua: a correlation with the pregnancy status

João Pacheco, Portugal*F. Rosa, E. Dvindenko, R. Barros, A. Costa Braga*

003 17:35–17:45

Chronic histiocytic intervillositis and related clinical findings: a multicentric, retrospective analyses of 34 cases in a 17 year period

Mariana De Brito Pereira, Portugal*S. Carralas Antunes, E. Vitorino, R. Ilgenfritz, J. Tavares*

004 17:45–17:55

Left ventricular non-compaction in foetal autopsy: a report of 6 cases

Alfons Nadal, Spain*C. Fuster, N. Masoller, Ò. Rosiñol, J. Camacho, O. Gómez*

005 17:55–18:05

Umbilical cord compromise versus other clinical conditions predisposing to placental foetal vascular malperfusion

Jerzy Stanek, USA

006 18:05–18:15

Placental recent/on-going foetal vascular malperfusion with endothelial fragmentation is diagnostically equivalent to established distal villous lesions of foetal vascular malperfusion

Jerzy Stanek, USA

007 18:15–18:25

Cardiac arrest with successful cardiopulmonary resuscitation induces histologic changes that correlate with survival time and lead to misdiagnosis in sudden arrhythmic death syndrome

Jose Coelho Lima, United Kingdom*J. Westaby, M. Sheppard*

008 18:25–18:35

Post-mortem pulmonary findings in a large series of COVID-19 cases at the University of Texas Medical Branch (2020-2022): insights from an ancient and still relevant procedure

Juan P. Olano, USA*I. Marin, J. Estrada*

009 18:35–18:45

Patterns of infectious disease identified in clinical autopsy. The role of autopsy as an ancillary study in determining the cause of death

Moshawa Khaba, South Africa*M. Dikotope, N. Makhado*

010 18:45–18:55

The impact of the COVID-19 pandemic on autopsy practice

Marguerite Carter, Ireland*S. Brennan, L. Clarke, K. O'Hare*

011 18:55–19:05

Analysis of the causes of death in cases of COVID-19 based on maternal mortality cases during the pandemic

Aigul Sapargaliyeva, Kazakhstan*D. Mirzakhmetova, I. Yefimenko*

Tuesday, 6 September 2022

SC-10

Short Course

08:30–12:00

San Francisco

Uropathology: A new landscape of molecular biomarkers for GU tumours

Chairs: Dilek Ertoy Baydar, Turkey
George Netto, USA

001 08:30–08:50
Precision pathology: journey of transformation and innovative disruption
George Netto, USA

002 08:50–09:10
BRCA1 and 2 and novel genetic markers in PCA
Antonio Lopez-Beltran, Spain

003 09:10–09:30
Immunotherapy in bladder cancer: the role of the pathologist according to an oncologist
Andrea Necchi, Italy

004 10:30–10:50
Emerging role of RNA modification in GU tract with emphasis on testis tumours
João Lobo, Portugal

005 10:50–11:10
Circulating tumour cells: the role in the daily practice
Arndt Hartmann, Germany

006 11:10–12:00
Q&A

SPEC-06

Special Session

08:30–12:00

Singapore

Special Session ESP QA: Good results come from experience, experience comes from bad results

Chairs: Aleš Ryška, Czech Republic
Nicola Normanno, Italy

001 08:30–08:50
Biomarker assay comparison for proficiency testing, validation, and interchangeability studies: how to do it right
Emina Emilia Torlakovic, Canada

002 08:50–09:10
Benefits and challenges of a microscopy-based EQA programme: experiences from the ESP lung scheme
Jan von der Thüsen, The Netherlands

003 09:10–09:30
Experiences and lessons-learned from the molecular ESP lung scheme
Ed Schuurin, The Netherlands

004 10:30–10:50
Lessons learnt from the first EQA of tumour mutation burden testing
Simon Patton, United Kingdom

005 10:50–11:10
cfDNA testing – challenging the labs and challenging the EQA providers
Sandi Deans, United Kingdom

006 11:10–11:30
Access and quality of biomarker testing in Europe
Nicola Normanno, Italy

007 11:30–12:00
Q&A

OFP-09

Oral Free Paper Session

08:30–12:00

Sydney

Joint Oral Free Paper Session Endocrine Pathology / Head and Neck Pathology

Chairs: Catarina Eloy, Portugal
Stephan Ihrler, Germany

001 08:30–08:40
Cadherin-16 (CDH16) immunohistochemistry: a novel diagnostic tool for renal cell carcinoma and papillary carcinomas of the thyroid
Maximilian Lennartz, Germany
S. Minner, N. Gorbokon, A. Menz, T. Krech, D. Höflmayer, R. Simon, G. Sauter, T. Clauditz, A. Hinsch

002 08:40–08:50
Pediatric thyroid nodules: a multi-institutional study from India based on the applicability of the Bethesda System with analysis of the Risk Of Malignancy (ROM) and comparison with adult thyroid nodules
Chanchal Rana, India
N. Nigam, S. Agarwal, P. Mishra, A. Bychkov

003 08:50–09:00

Diagnostic utility of menin immunohistochemistry in multiple endocrine neoplasia type 1 syndrome patients

Anna Vera Verschuur, *The Netherlands*

A. S. Kok, F. Morsink, M. van den Broek, J. Offerhaus, G. Valk, M. Vriens, B. Nesselrooij, W. Hackeng, L. Brosens

004 09:00–09:10

BRAF mutation and AXL (hyper)expression as markers of high risk for persistent/recurrent papillary thyroid cancer (PTC)

Maurizio Martini, *Italy*

C. Pizzimenti, A. Ieni, A. Campenni, L. Giovanella, G. Fadda

005 09:10–09:20

Medullary thyroid carcinoma: conventional and emerging prognostic factors

Mohamed Amine Bani, *France*

M. Faron, C. Kanaan, P. Khneisser, L. Lacroix, L. Lamartina, J. Hadoux, D. Hartl, V. Suci, X. Sastre-garau, E. Baudin, J. Scoazec, A. Al Ghuzlan

006 09:20–09:30

Differential expression profiles of immunoregulatory genes in poorly-differentiated and anaplastic thyroid carcinomas progressive from papillary carcinoma

Giulia Orlando, *Italy*

J. Metovic, F. Maletta, C. Tampieri, F. Napoli, V. Zambelli, M. Volante, M. Papotti

008 10:30–10:40

High-grade medullary thyroid carcinoma, morphological features and prognostic value of the international grading system

Carmen Ariño-Palao, *Spain*

R. Meléndez Gispert, H. Pian-Arias, T. Caniego-Casas, J. Molina Cerrillo, T. Alonso Gordo, I. Ruz Caracuel

009 10:40–10:50

Apocrine differentiation in salivary duct carcinoma: immunohistochemical evaluation for GATA3, p62 (Sequestosome1) and FABP7 in 106 cases

Kimihide Kusafuka, *Japan*

K. Ueda, H. Inagaki, J. Itakura, Y. Otsuki, I. Ito, N. Kuroda, T. Daa, K. Suzuki, H. Iwai, K. Yamanegi, Y. Imamura, M. Hamada, M. Yasuda, S. Baba, E. Nakatani, M. Suzuki

010 10:50–11:00

The prognostic role of cortactin overexpression in oral squamous cell carcinoma of tongue: large cohort study

Burcu Toközülü, *Turkey*

D. Sapkota, E. Vallenari, O. Schreurs, T. Soland

011 11:00–11:10

Diagnostic utility of NR4A3 and NR4A2 immunohistochemistry in salivary gland pathology: a single-institution experience with 108 cases of acinic cell carcinoma

Natalie Klubickova, *Czech Republic*

A. Skálová, O. Koshyk, E. Mosaieby

012 11:10–11:20

Molecular-genetic profile of sinonasal tumours: molecularly heterogeneous but histologically distinctive low-grade and high-grade tumours

Martina Banecková, *Czech Republic*

A. Agaimy, M. Hyrcza, N. Ptáková, P. Martinek, J. Laco, N. Rupp, M. van den Hout, O. Koshyk, M. Michal, A. Skálová

013 11:20–11:30

Update to seromucinous hamartomas and respiratory epithelial adenomatoid hamartomas with dysplastic features and malignant transformation

Martina Banecková, *Czech Republic*

M. Hyrcza, J. Laco, T. Vaněček, P. Martinek, P. Grossmann, S. Ihrler, N. Rupp, F. Petersson, O. Koshyk, D. Spagnolo, J. Sanjiv, M. Schlageter, A. Skálová, M. Michal

014 11:30–11:40

Multiparametric, in situ study of the microenvironment (MTE) of head and neck squamous cell carcinomas (HNSCC): impact of human papillomavirus (HPV). Macrophagic Infiltration Study

Joey Martin, *France*

M. Durand, C. Lepine, Y. Harrar, J. Bastian, C. Badoual

015 11:40–11:50

Differential expansion of innate lymphoid cells and their role in oral squamous cell carcinoma

Sofia Ali Syed, *Pakistan*

M. Qureshi, S. Khan, R. Kumar

016 11:50–12:00

High-grade transformation in salivary gland tumours: a rare and under-recognized phenomenon

Nishtha Batra, India

A. Patil, N. Mittal, S. Rane, K. Kante, M. Bal

VM-02 Videomicroscopy

08:30–12:00 Montreal

Joint Videomicroscopy Digestive Diseases Pathology (Liver) & Hans Popper Hepatopathology Society: Differential diagnosis of liver masses on biopsy

Chairs: Peter Schirmacher, Germany

Valérie Paradis, France

Ryan Gill, USA

Joseph Misdraji, USA

001

Case 1

Peter Schirmacher, Germany

002

Case 2

Joseph Misdraji, USA

003

Case 3

Valérie Paradis, France

004

Case 4

Ryan Gill, USA

LC-05 Long Course

08:30–12:00 Boston

Dermatopathology: Melanocytic neoplasms

Chairs: Zlatko Marušić, Croatia

Vasileia Damaskou, Greece

001 08:30–09:00

Pitfalls in the diagnosis of melanocytic tumours

Bostjan Luzar, Slovenia

002 09:00–09:30

The histological spectrum of dysplastic naevi: diagnostic challenges

Daniela Massi, Italy

003 10:30–11:00

Histological spectrum of deep penetrating naevus/melanocytoma and differential diagnosis

Willeke Blokx, The Netherlands

004 11:00–12:00

The impact of molecular pathology on the diagnosis and therapy of melanocytic tumours

Thomas Wiesner, Austria

SY-14 Symposium

08:30–12:00 Delhi

Joint Symposium Pulmonary Pathology & Molecular Pathology: Advances in molecular pathology of thoracic tumours

Chairs: Gerald Höfler, Austria

Izidor Kern, Slovenia

001 08:30–09:00

Molecular changes in pleural mesothelioma

Luka Brcic, Austria

002 09:00–09:30

Covering the plasticity of NSCLC: molecular tools and diagnostic pitfalls

Albrecht Stenzinger, Germany

003 10:30–11:00

Genomic heterogeneity and evolution in lung cancer

Lukas Bubendorf, Switzerland

004 11:00–11:30

Assessment of co-occurring genomic alterations in lung cancer: what's for?

Paul Hofman, France

005 11:30–12:00

Role of molecular diagnostics in staging of lung tumours

Sanja Dacic, USA

OFP-10 Oral Free Paper Session
08:30–12:00 Shanghai
Oral Free Paper Session Breast Pathology
Chairs: Janina Kulka, Hungary
Thomas Decker, Germany

001 08:30–08:40

Mucoepidermoid carcinoma of the breast: multidimensional profiling reveals novel biomarkers and genetic drivers

Mariia Ivanova, Italy

K. Venetis, E. Sajjadi, S. Andaloro, C. Rossi, M. Lucioni, U. Malapelle, F. Pagni, M. Barberis, E. Guerini Rocco, G. Viale, N. Fusco

002 08:40–08:50

Association of metastatic pattern in breast cancer with tumour type and patient specific factors: a nationwide autopsy study using artificial intelligence

Fatemeh Kazemzadeh, The Netherlands

A. Snoek, Q. Voorham, N. Hugen, M. van Oijen, I. Nagtegaal

003 08:50–09:00

Automated prognosis marker assessment in 2'004 breast cancers using an artificial intelligence-based framework for BLEACH&STAIN mflHC

Guido Sauter, Germany

T. Mandelkow, E. Bady, J. Müller, N. Debatin, M. Lurati, C. Hube-Magg, N. Blessin

004 09:00–09:10

Upgrade rate and predictive factors for benign breast intraductal papilloma on core biopsy in Vancouver, Canada

Taylor Salisbury, Canada

S. Koonmee, L. Ali, O. Ondic, R. Bhan, K. Pivovarcikova, A. Gurung, R. Alaghebandan

005 09:10–09:20

Evaluation of dual color-dual in-situ hybridization (D-DISH) for HER2/neu testing in breast cancer

Sangeeta Desai, India

A. Rath, P. Shah, A. Sahay, A. Patil, T. Shet

006 09:20–09:30

Image-based identification of HER2 status in H&E-stained breast cancer slides

Orli Greenberg, Israel

A. Zubkov, L. Trejo, D. Nataf, I. Hayun, A. Avinoam, I. Gazy, N. Paz-Yaacov, Dov Hershkovitz

008 10:30–10:40

Application of molecular imaging as potential prognostic biomarker for triple-negative breast cancer (TNBC)

Chiara Villa, Italy

P. Rainone, M. Cadamuro, S. Valtorta, S. Todde, R. Moresco, M. Lavitrano

009 10:40–10:50

Challenges of breast NEN: NEN G3 and genetic analysis

Yueping Liu, China

M. Zhao

010 10:50–11:00

Prediction of the efficacy of neoadjuvant therapy for breast cancer with immunologic and genome characteristics

Yueping Liu, China

M. Han

011 11:00–11:10

Histological assessment of large fresh breast surgical specimens with ultra-fast slide-free confocal microscopy: a feasibility study

Marie-Christine Mathieu, France

M. Ragazzi, M. Ferchiou, P. Van Diest, O. Casiraghi, M. Nap, A. Ben Lakhdar, N. Labaied, A. Conversano, M. Abbaci

012 11:10–11:20

PIK3CA mutations in endocrine-resistant breast cancer

Caroline Schagerholm, Sweden

S. Robertson, B. Holm, H. Awier, H. Toosi, E. Sifakis, J. Hartman

013 11:20–11:30

Breast carcinoma with apocrine differentiation: less indolent than expected?

Chiara Rossi, Italy

S. Fraticelli, E. Boveri, G. Di Giulio, M. Fanizza, B. Francesco, A. Sgarella, A. Ferrari, A. Della Valle, E. Ferraris, A. Lasagna, G. Rizzo, E. Bonzano, M. Paulli, M. Lucioni

014 11:30–11:40

Claudin-1 expression in triple-negative breast cancers (TNBCs) and its clinical significance

Abderrahman Ouban, Saudi Arabia

015 11:40–11:50
Filamin-A expression in triple negative breast cancer (TNBC) and its clinical significance
Abderrahman Ouban, Saudi Arabia

016 11:50–12:00
Nullisomy of chromosome 17 in invasive breast cancer: characterisation of a rare and puzzling genomic event
Magali Lacroix-Triki, France
A. Valent, A. Fitouri, F. Delalande, N. Joyon, P. Michenet

OFP-11 Oral Free Paper Session
08:30–12:00 Osaka/Samarkand
Joint Oral Free Paper Session IT & Other Topics (Electron Microscopy / Cardiovascular Pathology)
Chairs: Jason Hornick, USA
Sabina Berezowska, Switzerland
Heike Göbel, Germany

001 08:30–08:40
Epidermolysis bullosa: an electron microscopy study of 6 cases
Adelina-Maria Cohn, Romania
C. Salavastru, M. Gherghiceanu

002 08:40–08:50
Clinico-pathologic correlation in cardiac amyloidosis: is there a substrate for the echocardiographic “relative apical sparing” sign?
Monica De Gaspari, Italy
G. Sinigiani, S. Rizzo, M. Perazzolo Marra, M. Della Barbera, D. Mele, C. Basso, A. Cipriani

003 08:50–09:00
Acute Myocarditis in COVID-19 era: pre-pandemic and pandemic periods compared
Mattia Riefolo, Italy
M. Sabatino, C. Baldovini, C. Marcelli, L. Potenza, O. Leone

004 09:00–09:10
From conventional congenital cardiac surgery to molecular cardiac surgery: between darkness and light. New paradigms for investigations and treatments during pregnancy
Athos Capuani, Italy

005 09:10–09:20
Reporting guidelines for pathology AI research – a review
Clare Mcgeeny, United Kingdom
D. Treanor

006 09:20–09:30
A holistic evaluation of three-dimensional biomarker expression and genetic alterations in non-small cell lung cancer using tissue clearing technology
Lei-Chi Wang, Taiwan
Y. Hsieh, Y. Hung, Y. Chen, Y. Lin, Y. Lin, T. Chou

008 10:30–10:40
CoNIC Challenge: large scale assessment of automated methods for identification and counting of Colon Nuclei
Simon Graham, United Kingdom
Q. Vu, M. Jahanifar, D. Snead, S. Raza, F. Minhas, N. Rajpoot

009 10:40–10:50
Quantification of metabolic heterogeneity across multiple imaging modalities
Esther Smeets, The Netherlands
M. Trajkovic-Arsic, D. Geijs, M. van Zanten, L. Brosens, B. Feurecker, M. Gotthardt, J. Siveke, R. Braren, F. Ciompi, E. Aarntzen

010 10:50–11:00
Artificial Intelligence as a potential tool for pathologists to evaluate lymphocyte infiltration in melanoma
Carlos E De Andrea, Spain
A. Romano Martínez Martínez, D. Jiménez-Sánchez, J. Echeveste, S. Martín Algarra, M. Lozano Escario

011 11:00–11:10
Artificial intelligence-guided spatial transcriptomics in high grade serous carcinoma: toward image-analysis based precision oncology
Anna Laury, Finland
S. Zheng, O. Youssef, J. Tang, O. Carpen

012 11:10–11:20
Development of trial quality assurance program for digital pathology of the Korean Society of Pathologists
Yosep Chong, Republic of Korea
J. Bae, D. Kang, K. Kim, H. Han

013 11:20–11:30

Detecting premalignant lesions in the Fallopian tube, using a deep-learning model. A pilot study

Joep Bogaerts, *The Netherlands*

J. Linmans, M. van Bommel, M. Steenbeek, J. Bulten, J. de Hullu, M. Simons, J. van der Laak

014 11:30–11:40

Eyeballing and hot-spot counting of ki67 may misguide therapy in invasive breast carcinoma, NST and the quick fix is automated counting

Selim Sevim, *Turkey*

E. Serbes, G. Ozdogan, S. Dizbay Sak

015 11:40–11:50

AI versus microscope in primary diagnosis of breast biopsies: multi-site clinical reader study

Judith Sandbank, *Israel*

A. Vincent-Salomon, A. Nudelman, J. Cyrt, M. Maklakovski, A. Albrecht Shach, G. Sebag, G. Malle, I. Krasnitsky, T. Feinberg, C. Linhart, M. Vecsler

016 11:50–12:00

Digital score of Ki67 in prostate cancer is associated with high-grade disease and presence of metastasis

Quoc Dang Vu, *United Kingdom*

L. Mendes, C. D. Brawley, S. Raza, E. Grist, A. Ali, S. Vidal, M. Parry, S. Lall, N. B. Atako, M. Richmond, A. Haran, L. Zakka, N. W. Clarke, M. K. B. Parmar, N. D. James, L. C. Brown, D. Berney, G. Attard, N. Rajpoot

SS-09 Slide Seminar

08:30–12:00 Rio

Joint Slide Seminar Trainees & Cytopathology: Junior and senior pathologist facing a cytologic challenge

Chairs: Alexandra Vilaia, Romania

Philippe Vielh, France

Daniel Gomes Pinto, Portugal

001 08:30–08:35

Introduction to the slide seminar

Alexandra Vilaia, *Romania*

002 08:35–08:55

Case 1

Lavisha S Punjabi, *Singapore*

003 08:55–09:15

Case 2

Carlos Faria, *Portugal*

004 09:15–09:30

Q&A–Part I

Daniel Gomes Pinto, *Portugal*

005 10:30–10:50

Case 3

Jelena Dzambas, *Serbia*

006 10:50–11:10

Case 4

Simona Costache, *Romania*

007 11:10–11:30

Case 5

Antonia Syrnioti, *Greece*

008 11:30–12:00

Q&A–Part II

Daniel Gomes Pinto, *Portugal*

KNL-03 Keynote Lecture

12:15–13:00 San Francisco

Chairs: Aleš Ryška, Czech Republic

Gieri Cathomas, Switzerland

ESP Symeonidis Lecture:

What is sessile serrated adenoma/polyp/lesion?

Emina Emilia Torlakovic, *Canada*

SC-11 Short Course

14:45–16:45 San Francisco

Joint Short Course Digestive Diseases Pathology (GI) & GI Pathology Society (GIPS): Challenges in ileocolic pathology

Chairs: Joseph Misdragi, USA

Roger Feakins, United Kingdom

001 14:45–15:05

Unusual causes of granulomas in the lower gastrointestinal tract

Francesca Rosini, *Italy*

002 15:05–15:25

Lymphomas masquerading as inflammatory disorders

Ilke Nalbantoglu, *USA*

003 15:25–15:45

Recognition and evaluation of ileal and colonic strictures

Ilyssa Gordon, *USA*

004 15:45–16:05
Ileocolic neuroendocrine neoplasms: an update
Stefano La Rosa, Italy

005 16:05–16:25
Lower gastrointestinal tract GISTs and related lesions
Angelo Paolo Dei Tos, Italy

006 16:25–16:45
Q&A

SPEC-07 **Special Session**
14:45–16:45 **Singapore**
Joint Special Session ESP & IAP: From digital pathology to artificial intelligence, an enriching journey in diagnostic pathology and education
Chairs: Ghazi Zaatari, Lebanon
Xavier Matias-Guiu Guia, Spain

001 14:45–14:55
Introduction
Ghazi Zaatari, Lebanon
Xavier Matias-Guiu Guia, Spain

002 14:55–15:15
What should be learnt about artificial intelligence methods during the pathology residence
Marcial Garcia Rojo, Spain

003 15:15–15:35
AI applications in training and practice in diagnostic pathology
Eric Walk, USA

004 15:35–15:55
Status of digital and computational pathology for clinical applications and teaching in prostate cancer. Where are we now and where we need to be?
Anil Parwani, USA

005 15:55–16:15
AI applications in cytopathology
Jordi Temprana-Salvador, Spain

006 16:15–16:35
Digital pathology training and education
Bethany Williams, United Kingdom

007 16:35–16:45
Discussion

SC-12 **Short Course**
14:45–16:45 **Sydney**
Endocrine Pathology: High grade endocrine and neuroendocrine neoplasms
Chairs: Giovanni Tallini, Italy
Laura Tang, USA

001 14:45–15:15
Anaplastic carcinoma of the thyroid: what is new?
Simonetta Piana, Italy

002 15:15–15:45
High grade medullary carcinoma of the thyroid: does it exist?
Ronald Ghossein, USA

003 15:45–16:15
High grade well differentiated neuroendocrine neoplasms: in every organ?
Aurel Perren, Switzerland

004 16:15–16:45
Neuroendocrine carcinoma: new perspectives
Silvia Uccella, Italy

VM-03 **Videomicroscopy**
14:45–16:45 **Montreal**
Dermatopathology: Cutaneous adnexal neoplasms
Chairs: Eduardo Calonje, United Kingdom
Thibault Kervarrec, France

001 14:45–15:45
Case 1
Eduardo Calonje, United Kingdom

002 15:45–16:45
Case 2
Thibault Kervarrec, France

SPEC-08 **Special Session**
14:45–16:45 **Boston**
Special Session National Societies: Pitfalls, difficulties and errors in companion diagnostics
Chairs: Pieter Demetter, Belgium
Funda Yilmaz, Turkey

001 14:45–15:15
Biomarker testing on cytological specimens
Deniz Nart, Turkey

002 15:15–15:45

Predictive biomarkers in urology

Gabriella Nesi, Italy**003** 15:45–16:15

Quality control in biomarker testing

Ligia Craciun, Belgium**004** 16:15–16:45

Round Table with all chairs and speakers

OFP-12 Oral Free Paper Session**14:45–16:45 Delhi****Joint Oral Free Paper Session Molecular Pathology / Haematopathology***Chairs: Jean-Christophe Sabourin, France
Alexandar Tzankov, Switzerland***001** 14:45–14:55

The Nrf2-ARE pathway: a potential novel therapeutic target in papillary renal cancer patients

Silvia Angori, Switzerland*A. Banaei-Esfahani, K. Mühlbauer,
A. Kahraman, V. Pietiäinen, S. Potdar,
O. Kallionemi, P. Schraml, H. Moch***002** 14:55–15:05

Improving the quality of cfDNA testing – results from two years of EQA

Jenni Fairley, United Kingdom*M. Cheetham, S. Patton, Z. Deans***003** 15:05–15:15

Common pitfalls in interpreting fusion testing results highlighted by EQA

Jenni Fairley, United Kingdom*Z. Deans***004** 15:15–15:25

The Geneva HRD test: clinical validation on 469 samples from the PAOLA-1 trial

Yann Christinat, Switzerland*L. Ho, S. Clément, C. Genestie, J. Sehouli,
S. Cinieri, A. Gonzalez Martin, U. Denison,
K. Fujiwara, I. Vergote, G. Tognon,
S. Hietanen, E. Pujade-Lauraine, I. Ray-
Coquard, T. McKeen***005** 15:25–15:35

Clinical utility of tumour-only targeted panel sequencing in childhood tumours

Yingting Mok, Singapore*C. Quick, J. Goh, N. Chia, M. Nwe, K. Chang***006** 15:35–15:45

The activation of Jagged1 signaling by chemotherapeutic agents counteracts the Oxaliplatin/5Fluorouracil- mediated anti-cancer effects: a novel mechanism of drug resistance in colon cancer

Maria Pelullo, Italy*S. Zema, M. De Carolis, A. Villari,
A. Montalti, I. Screpanti, D. Bellavia***007** 15:45–15:55

Ultra-fast gene fusion assessment as a reflex testing in daily clinical practice for advanced non-small cell lung cancer patients

Christophe Bontoux, France*V. Hofman, S. Heeke, L. Chalabreysse,
M. Barritault, P. Bringuier, T. Fenouil,
N. Benzerdjeb, H. Begueret, J. Merlio,
C. Caumont, N. Piton, J. Sabourin, S. Evrard,
C. Syrykh, E. Long-Mira, S. Lassalle, M. Ilié,
P. Hofman***008** 15:55–16:05

Nuclear markers for the diagnosis of histiocytosis

Irena Ungureanu, France*S. Héritier, F. Cohen-Aubart, Z. Hélias-
Rodzewicz, J. Donadieu, J. Haroche, J. Emile***009** 16:05–16:15

Clonality analysis of Richter's transformation in CLL treated with targeted therapy

Irene Xie, Canada*I. Rashedi, Y. Amemiya, D. Spaner, A. Seth,
Z. Ghorab, R. Goswami***010** 16:15–16:25

Delineating the spatial compartmentalization of human follicular B cell metabolic dynamics

Maria Maddalena Perla, Switzerland*A. Noto, K. Ioannidou, M. Foglierini-Perez,
C. Fenwick, L. de Leval, C. Petrovas,
G. Pantaleo***011** 16:25–16:35

Comparison of the accuracy of cytomorphology, flow cytometry immunophenotyping and immunohistochemistry in determining diagnostic and prognostic blast percentage groups in bone marrow in myelodysplastic syndrome and acute myeloid leukemia cases

Ezgi Hacıhasanoglu, Turkey

012 16:35–16:45
Prevalence and impact of co-infections in patients with lymphoma and HIV
Carolina Padrão, Portugal
A. Gonçalves Pereira, F. Pereira, J. Tinoco, M. Gasparinho

SS-10 Slide Seminar
14:45–16:45 Shanghai
Cardiovascular Pathology: Challenging cases in vascular pathology
Chairs: **Giulia D'Amati**, Italy
Rosa Helena Henriques De Gouveia, Portugal

001 14:45–15:05
Case 1
Allard C. Van Der Wal, The Netherlands

002 15:05–15:25
Case 2
Stephen Preston, United Kingdom

003 15:25–15:45
Case 3
Ivana Kholova, Finland

004 15:45–16:05
Case 4
James Robert Stone, USA

005 16:05–16:25
Case 5
Monica De Gaspari, Italy

006 16:25–16:45
Case 6
Samuel Rotman, Switzerland

OFP-13 Oral Free Paper Session
14:45–16:45 Osaka/Samarkand
Joint Oral Free Paper Session Neuro-pathology / Ophthalmic Pathology
Chairs: **Robert M. Verdijk**, The Netherlands
Daniela Mihic-Probst, Switzerland

001 14:45–14:55
Immunohistochemistry against RB1 is useful for the distinction between giant cell glioblastoma and pleomorphic xanthoastrocytoma
Valeria Barresi, Italy
S. Michele, C. Ciaparrone, S. Pedron, A. Mafficini, A. Scarpa

002 14:55–15:05
Myoepithelial neoplasia of central nervous system: a series of 4 cases
Kemal Kosemehmetoglu, Turkey
S. Yeni Yildirim, F. Söylemezoglu

003 15:05–15:15
Solitary fibrous tumour of central nervous system: a series of 23 cases
Kemal Kosemehmetoglu, Turkey
O. Sular, B. Babaoglu, G. Yazici, F. Söylemezoglu

004 15:15–15:25
Response to regorafenib of recurrent glioblastoma. A clinical and NGS study
Maurizio Martini, Italy
Q. D'Alessandris, T. Cenci, V. Fiorentino, L. Lauretti, M. Balducci, R. Pallini

005 15:25–15:35
Digital image analysis is a powerful tool to demonstrate the prognostic impact of proliferation assessed with Ki67 and PHH3 in meningeal solitary fibrous tumours
Corinne Bouvier, France
H. Nihous, B. Lemarié, D. Figarella Branger, N. Macagno

006 15:35–15:45
Morphological analysis with morphometry of meningioma calcifications
Anastasiia Denysenko, Ukraine
R. Moskalenko

007 15:45–15:55
Thalamic diffuse midline glioma, a series of cases from a single cancer center
Maysa Al-Hussaini, Jordan
S. Al Sharie, D. Abu Laban, S. Ghnaimat

008 15:55–16:05
Histone H3 trimethylated in lysine 27 (H3K27me3) immunohistochemical loss predicts shorter progression-free survival in intracranial meningiomas treated with radiosurgery
Paola Chiara Rizzo, Italy
S. Ammendola, M. Longhi, E. Zivelonghi, S. Pedron, G. Pinna, F. Sala, A. Nicolato, A. Scarpa, V. Barresi

009 16:05–16:15
Concerted deposition of vascular basal membrane proteins laminin beta 1 and 2 supports neo-angiogenesis and contributes to vascular permeability
Serguei Bannykh, USA
K. Bannykh

010 16:15–16:25

Molecular genetics and immunostaining of relapsing inoperable meningiomas located at the base of skull (BS) or in frontal areas, before radiotherapy

Mohammed Alshemeili, France

M. Barritault, D. Poncet, E. Jouanneau, D. Meyronet

011 16:25–16:35

miR-196b-5p and miR-107 expression differentiates ocular sebaceous carcinoma from squamous cell carcinoma of the conjunctiva

Robert M. Verdijk, The Netherlands

R. de Keizer, A. Vriends, G. Hötte, D. Paridaens, E. Wiemer

012 16:35–16:45

Audit of outcomes for metastatic uveal melanoma patients in Ireland

Ciara Hegarty, Ireland

K. Kulakova, N. Walsh, C. Hui, S. Kennedy

SY-15**Symposium****14:45–16:45****Rio**

Cytopathology: Recent advances in molecular cytopathology

*Chairs: Giancarlo Troncone, Italy
Philippe Vielh, France*

001 14:45–14:50

Introduction to the session
Giancarlo Troncone, Italy

002 14:50–15:15

NGS in salivary glands
Niels Rupp, Switzerland

003 15:15–15:40

Tumour molecular board
Fernando Schmitt, Portugal

004 15:40–16:05

Challenges of small tissue samples for NGS
Spasenija Savic-Prince, Switzerland

005 16:05–16:30

TMA in cytology
Elena Vigliar, Italy

006 16:30–16:45

Q&A

PL-01 Plenary Oral Free Paper Session**16:45–17:30 E-Poster Terminal 1**

*Chairs: Aleš Ryška, Czech Republic
Gieri Cathomas, Switzerland*

SC-13**Short Course****17:30–19:30****San Francisco**

**Digestive Diseases Pathology (Liver):
Immune-mediated liver disorders**

*Chairs: Peter Schirmacher, Germany
Sanjay Kakar, USA*

001 17:30–18:00

Liver and immunity: an overview
Pietro Invernizzi, Italy

002 18:00–18:30

Autoimmune hepatitis
Maria Guido, Italy

003 18:30–19:00

PBC and PSC
Dina Tiniakos, United Kingdom

004 19:00–19:30

Drug-induced liver injury
Yoh Zen, United Kingdom

SPEC-09**Special Session****17:30–19:30****Singapore**

**Special Session ESP AI Task Force: Task
Force “AI in Pathology”**

*Chairs: Jeroen van der Laak, The
Netherlands
Darren Treanor, United Kingdom*

001 17:30–17:50

Introduction of the Task Force
Jeroen van der Laak, The Netherlands

002 17:50–18:30

Quality management for digital pathology
David Brettell, United Kingdom

003 18:30–19:10

Ethics on AI in pathology
Rouven Porz, Switzerland

004 19:10–19:30

How to proceed from here?
Jeroen van der Laak, The Netherlands

SC-14

Short Course

17:30–19:30

Sydney

Endocrine Pathology: Old and new biomarkers for neuroendocrine neoplasms: how to use them in 2022

Chairs: **Marco Volante**, Italy

- 001 17:30–17:50
- To demonstrate the neuroendocrine differentiation
- Jérôme Cros**, France
- 002 17:50–18:10
- To diagnose and classify high grade neuroendocrine neoplasms
- Stefano La Rosa**, Italy
- 003 18:10–18:30
- To help therapeutic decisions
- Halfdan Sorbye**, Norway
- 004 18:30–18:50
- To identify the primary in front of a prevailing metastasis
- Laura Tang**, USA
- 005 18:50–19:30
- Q&A

VM-04

Videomicroscopy

17:30–19:30

Montreal

Haematopathology: Cutaneous lymphoproliferative disorders: the good, the bad and the unexpected

Chairs: **John Goodlad**, United Kingdom
Patty Jansen, The Netherlands

- 001 17:30–18:30
- Case 1
- John Goodlad**, United Kingdom
- 002 18:30–19:30
- Case 2
- Patty Jansen**, The Netherlands

SC-15

Short Course

17:30–19:30

Boston

Joint Short Course Dermatopathology & History of Pathology: The skin throughout the centuries

Chairs: **Luis Alfaro**, Spain
Eduardo Calonje, United Kingdom

- 001 17:30–17:50
- The life and times of Moritz Kaposi: the man behind the eponym
- Agnes Pekar-Lukacs**, Sweden
- 002 17:50–18:10
- Impaired beauty: skin moulages in medical education
- Raffaella Santi**, Italy
- 003 18:10–18:30
- Mal de Meleda—a reflection on the history of medicine and dermatopathology in Eastern Adriatic
- Zlatko Marušić**, Croatia
- 004 18:30–18:50
- Dermatopathology and Madeira Island
- Rosa Helena Henriques De Gouveia**, Portugal
- 005 18:50–19:30
- Q&A

SS-11

Slide Seminar

17:30–19:30

Delhi

Joint Slide Seminar Electron Microscopy & Pulmonary Pathology: Intriguing cases in thoracic pathology: the contributive role of electron microscopy

Chairs: **Paul Hofman**, France
Dolores Naranjo Hans, Spain

- 001 17:30–17:54
- Case 1
- Ignacio Sánchez-Guerri**, Spain
- 002 17:54–18:18
- Case 2
- Valentina Papa**, Italy
- 003 18:18–18:42
- Case 3
- Francesco Fortarezza**, Italy

004 18:42–19:06

Case 4

Marta Cohen, *United Kingdom***005** 19:06–19:30

Case 5

Richard Attanoos, *United Kingdom***SS-12** Slide Seminar**17:30–19:30** Shanghai**Thymic and Mediastinal Pathology: Germ cell tumours of the mediastinum**Chair: **Alexander Marx**, *Germany***001** 17:30–18:00

Case 1

Luka Brcic, *Austria***002** 18:00–18:30

Case 2

Anja Roden, *USA***003** 18:30–19:00

Case 3

Felix Bremmer, *Germany***004** 19:00–19:30

Case 4

Malgorzata Szolkowska, *Poland***SC-16** Short Course**17:30–19:30** Rio**Cytopathology: Updates on urine cytology: the Paris System 2.0 and beyond**Chairs: **Philippe Vielh**, *France***Lukas Bubendorf**, *Switzerland***001** 17:30–17:35

Introduction to the short course

Philippe Vielh, *France***002** 17:35–17:55

The Paris System for Reporting Urine

Cytology 1.0 to 2.0

Eva Wojcik, *USA***003** 17:55–18:15

Atypia and suspicious for malignancy

Ashish Chandra, *United Kingdom***004** 18:15–18:35

High grade urothelial carcinoma

Momin Siddiqui, *USA***005** 18:35–18:55

Upper urinary tract cytology

Christopher Vandenbussche, *USA***006** 18:55–19:15

Ancillary techniques and molecular diagnostics

Lukas Bubendorf, *Switzerland***007** 19:15–19:30

Q&A

Thanks to Nikon for providing
the microscope for the
Videomicroscopy Sessions!



Tuesday, 6 Sept

► Wednesday, 7 September 2022

SS-13	Slide Seminar
08:30–12:00	San Francisco
Uropathology: Mesenchymal tumours in genitourinary tract	
<i>Chairs: Dilek Ertoy Baydar, Turkey</i>	
<i>Maria Rosaria Raspollini, Italy</i>	

001 08:30–09:00

Case 1

Pilar Gonzalez Peramato, Spain

002 09:00–09:30

Case 2

Kemal Kosemehmetoglu, Turkey

003 10:30–11:00

Case 3

Salvatore Lorenzo Renne, Italy

004 11:00–11:30

Case 4

Markus Eckstein, Germany

005 11:30–12:00

Case 5

Felix Bremmer, Germany

SY-16	Symposium
08:30–12:00	Singapore
Joint Symposium Digestive Diseases Pathology (Pancreas) & UEG: Emerging prognostic and predictive factors in pancreatic cancer: an update with a practical approach	
<i>Chairs: Irene Esposito, Germany</i>	
<i>Aldo Scarpa, Italy</i>	

001 08:30–09:00

Precision medicine in pancreatic cancer: a clinical perspective

Albrecht Neesse, Germany

002 09:00–09:30

Genes and morphology: exploiting the genotype-phenotype correlation

Lodewijk Brosens, The Netherlands

003 10:30–11:00

Tumour mutational burden and MSI: too fancy?

Claudio Luchini, Italy

004 11:00–11:30

Targeting the microenvironment: still an option?

Eva Diamantis Karamitopoulou, Switzerland

005 11:30–12:00

Liquid biopsy in pancreatic cancer

Aldo Scarpa, Italy

SPEC-10	Slide Seminar
08:30–12:00	Sydney
Special Session Swiss Society (Slide Seminar): Retroperitoneum – no man's land or everyone's land	
<i>Chairs: Bettina Bisig, Switzerland</i>	
<i>Igor Letovanec, Switzerland</i>	

001 08:30–08:50

Retroperitoneum: Radiology for pathologists

Patrick Omoumi, Switzerland

002 08:50–09:10

Case 1

Igor Letovanec, Switzerland

003 09:10–09:30

Case 2

Daniel Berney, United Kingdom

004 10:30–10:48

Case 3

Meike Körner, Switzerland

005 10:48–11:06

Case 4

Ayoma Attygalle, United Kingdom

006 11:06–11:24

Case 5

Ayoma Attygalle, United Kingdom

007 11:24–11:42

Case 6

Francois Le Loarer, France

008 11:42–12:00

Case 7

Francois Le Loarer, France

SY-17 Symposium**08:30–12:00 Montreal****ESP Trainees Subcommittee: The future generation of pathologists: challenges and opportunities in pathology research and academia***Chairs: Alexandra Vilaia, Romania
Daniel Gomes Pinto, Portugal***001 08:30–08:50**

Academia—is it worth taking the less travelled road?

*Martina Bosic, Serbia***002 08:50–09:10**

Working in multidisciplinary teams: surviving the tornado of different expert fields

*Rui Caetano Oliveira, Portugal***003 09:10–09:30**

Q&A—Part I

004 10:30–10:50

Translation pathology: a bridge from molecules to patients

*Ivan Fernandez Vega, Spain***005 10:50–11:10**

Tips and tricks to transform your ideas into articles: the journey through the publication process

*Irene Gullo, Portugal***006 11:10–11:30**

Navigating the minefield of applications and interviews

*Christos Poullos, Belgium***007 11:30–12:00**

Q&A—Part II

LC-06 Long Course**08:30–12:00 Boston****Neuropathology: The 5th edition of the WHO classification of CNS tumours: marching on into the molecular era***Chairs: Pieter Wesseling, The Netherlands
Pascale Varlet, France***001 08:30–08:50**Introduction to the 5th edition of the WHO Classification of CNS tumours (WHO CNS5)
*Pieter Wesseling, The Netherlands***002 08:50–09:30**WHO CNS5 diagnosis of gliomas in adults
*Guido Reifenberger, Germany***003 10:30–11:00**WHO CNS5 diagnosis of paediatric gliomas
*Pascale Varlet, France***004 11:00–11:30**

WHO CNS5 diagnosis of embryonal tumours

*Christine Haberler, Austria***005 11:30–12:00**

'Histomolecular' diagnosis of meningiomas; beyond WHO CNS5

*Felix Sahm, Germany***SPEC-11 Special Session****08:30–12:00 Delhi****Joint Special Session ESP & IARC: Multidisciplinary classification of tumours***Chairs: Ian Cree, France
Holger Moch, Switzerland***001 08:30–09:00**General principles of tumour classification
*Ian Cree, France***002 09:00–09:30**

Molecular classification of clear cell renal cancer

*Holger Moch, Switzerland***003 10:30–11:00**

Morphology and molecular-based classification of renal tumours

*Holger Moch, Switzerland***004 11:00–11:30**Tumour classification by mass spectrometry
*Bernd Bodenmiller, Switzerland***005 11:30–12:00**

Challenges of integrating molecular, histological and clinical needs within the CNS classification

Guido Reifenberger, Germany

SS-14	Slide Seminar
08:30–12:00	Shanghai
Joint Slide Seminar Autopsy Pathology & Cardiovascular Pathology & Paediatric and Perinatal Pathology: Hereditary diseases at autopsies	
Chairs: <i>Carlos Pontinha, Portugal</i> <i>Mary Sheppard, United Kingdom</i> <i>Paula Borralho Nunes, Portugal</i>	

001 08:30–09:00
Molecular autopsy–the Danish model
Jytte Banner, Denmark

002 09:00–09:15
Case 1
Catalin-Bogdan Satala, Romania

003 09:15–09:30
Case 2
Katarzyna Michaud, Switzerland

004 10:30–10:45
Case 3
Ivana Kholova, Finland

005 10:45–11:00
Case 4
Alfons Nadal, Spain

006 11:00–11:15
Case 5
Sophie Collardeau-Frachon, France

007 11:15–11:30
Case 6
Samantha Holden, United Kingdom

008 11:30–12:00
Q&A

SY-18	Symposium
08:30–12:00	Osaka/Samarkand
History of Pathology: Epidemics in history	
Chairs: <i>Raffaele Gaeta, Italy</i> <i>Ewa Izzycka-Swieszewska, Poland</i>	

001 08:30–09:00
Epidemics in Spain
Luis Alfaro, Spain

002 09:00–09:30
Epidemics in Poland
Jacek Gulczyński, Poland

003 10:30–11:00
Epidemics in Italy
Luisa Ferrari, Italy

004 11:00–11:30
Epidemics in Russia
Vsevolod Zinserling, Russia

005 11:30–12:00
Q&A

SY-19	Symposium
08:30–12:00	Rio
Joint Symposium Molecular Pathology & Pathology in Favour of Developing Countries: Molecular pathology on a budget	
Chairs: <i>Gerald Höfler, Austria</i> <i>Giulia De Falco, United Kingdom</i>	

001 08:30–08:50
TBD

002 08:50–09:10
Recommendations for establishing a hematopoietic stem cell transplantation programme in countries with limited resources
Abdelghani Tbakhi, Jordan

003 09:10–09:30
Molecular pathologist in molecular pathology labs
Lina Carvalho, Portugal

004 10:30–10:50
Molecular testing with limited resources: an insight from India
Rajiv Kumar Kaushal, India

005 10:50–11:10
Molecular testing with limited resources: an insight from Turkey
Burcin Pehlivanoglu, Turkey

006 11:10–12:00
Q&A

GA-01	Special Session
12:00–13:00	Montreal
ESP General Assembly	

GA-02	Special Session
13:15–14:00	Osaka/Samarkand
General Assembly of the Trainees Subcommittee	

BPS-08	Best Poster Session
13:15–13:45	E-Poster Terminal 1
Joint Best Poster Session Digestive Diseases Pathology–Liver/Pancreas / Endocrine Pathology	
Chair: <i>Esther Diana Rossi, Italy</i>	

BPS-09	Best Poster Session
13:15–13:45	E-Poster Terminal 2
Best Poster Session Pulmonary Pathology	
Chair: <i>Verena Tischler, Germany</i>	

BPS-10	Best Poster Session
13:15–13:45	E-Poster Terminal 3
Joint Best Poster Session Autopsy Pathology / Infectious Diseases Pathology / Pathology in Favour of Developing Countries	
Chair: <i>Gheorghe-Emilian Olteanu, Romania</i>	

BPS-11	Best Poster Session
13:15–13:45	E-Poster Terminal 4
Best Poster Session Uro pathology	
Chair: <i>Dilek Ertoý Baydar, Turkey</i>	

LC-07	Long Course
14:00–16:00	San Francisco
Uro pathology: What's new in WHO 5 th edition	
Chairs: <i>Maurizio Colecchia, Italy</i> <i>Eva Compérat, Austria</i>	

001 14:00–14:24
Kidney tumours with oncocytic change: what's new in WHO 5th edition
Holger Moch, Switzerland

002 14:24–14:48
Bladder tumours: what's new in WHO 5th edition
Maria Rosaria Raspollini, Italy

003 14:48–15:12
Prostate tumours: what's new in WHO 5th edition
Arno Van Leenders, The Netherlands

004 15:12–15:36
Mesenchymal tumours of the GU tract
Arndt Hartmann, Germany

005 15:36–16:00
Genetic tumour syndromes of the urinary and male genital tracts with emphasis on Carney complex
Daniel Berney, United Kingdom

SS-15	Slide Seminar
14:00–16:00	Singapore
Digestive Diseases Pathology (Pancreas): Mimics of pancreatic neoplasms	
Chairs: <i>Giuseppe Zamboni, Italy</i> <i>Irene Esposito, Germany</i>	

001 14:00–14:30
Case 1
Atsuko Kasajima, Germany

002 14:30–15:00
Case 2
Maria Gaia Mastrosimini, Italy

003 15:00–15:30
Case 3
Volkan Adsay, Turkey

004 15:30–16:00
Case 4
Aslihan Yavas, Germany

SY-20	Symposium
14:00–16:00	Sydney
Molecular Pathology: Standardisation of molecular pathology analyses in Europe	
Chairs: <i>Gerald Höfler, Austria</i> <i>Kurt Zatloukal, Austria</i>	

001 14:00–14:30
Preanalytics
Kurt Zatloukal, Austria

- 002** 14:30–15:00
Quality in digital histopathology: the need, initial findings and progress from the Big Picture consortium
David Brettle, United Kingdom
- 003** 15:00–15:30
Standardization of RNA analyses in clinical tissues
Serena Bonin, Italy
- 004** 15:30–16:00
UMS Master of Molecular Pathology Program
Giorgio Stanta, Italy

SY-21	Symposium
14:00–16:00	Montreal
Infectious Diseases Pathology: The intricate relationship between microbes & cancer (+ Business Meeting)	
<i>Chairs: Gieri Cathomas, Switzerland Gregor Gorkiewicz, Austria</i>	

- 001** 14:00–14:30
How the tumour-microbiome might influence future pathology practice
Martin Zacharias, Austria
- 002** 14:30–15:00
Commensal bacteria as novel treatment for solid tumours
Ana Montalban-Arques, Switzerland
- 003** 15:00–15:30
Gut microbiome and pancreatic cancer – carcinogenesis to therapy
Christoph Stein-Thöringer, Germany
- 004** 15:30–16:00
Infectious diseases pathology Working Group Business Meeting

SY-22	Symposium
14:00–16:00	Boston
Joint Symposium Neuropathology & Soft Tissue and Bone Pathology: Methylation profiling: (not) a tool for every tumour?	
<i>Chairs: Christian Mawrin, Germany Sabrina Croce, France</i>	

- 001** 14:00–14:32
Same day DNA methylation profiling: how Basel does it
Stephan Frank, Switzerland

- 002** 14:32–14:48
The value of DNA methylation in tumours of the gynaecologic tract
Felix Kommoss, Germany
- 003** 14:48–15:12
Tandem lecture: The value of methylome in (paediatric) brain tumours
*Felice Giangaspero, Italy
Evelina Miele, Italy*
- 004** 15:12–15:28
The input of methylome in head and neck and thoracic tumours
Philipp Jurmeister, Germany
- 005** 15:28–15:44
What does methylome teach us about recurrent alterations in mesenchymal tumours
Solange De Noon, United Kingdom
- 006** 15:44–16:00
Q&A

SC-17	Short Course
14:00–16:00	Delhi
Cardiovascular Pathology: Non-ischemic myocardial pathology	
<i>Chairs: Marc Halushka, USA Cristina Basso, Italy</i>	

- 001** 14:00–14:30
The role of endomyocardial biopsy in the diagnosis of myocarditis and cardiomyopathies
Karin Klingel, Germany
- 002** 14:30–15:00
Challenges in the autopsy diagnosis of myocarditis
Kristine Boisen Olsen, Denmark
- 003** 15:00–15:30
LVNC or Hypertrabeculation: what pathologists should know?
Eloisa Arbustini, Italy
- 004** 15:30–16:00
Myocardial fibrosis: morphologic patterns and clues for the differential diagnosis
Carla Giordano, Italy

SC-18	Short Course
14:00–16:00	Shanghai
Joint Short Course Autopsy Pathology & Pulmonary Pathology: Grossing lung pathology specimens	
Chairs: <i>Myriam Metzger, Germany</i> <i>Federica Pezzuto, Italy</i>	

001 14:00–14:20

Lungs at autopsy

Myriam Metzger, Germany

002 14:20–14:40

Lung surgical specimen

Jan van der Thüsen, The Netherlands

003 14:40–15:00

Small biopsy specimens

Paul Hofman, France

004 15:00–15:20

Lung explant specimen

Federica Pezzuto, Italy

005 15:20–15:40

Lung specimens for research and tissue banking

Sabina Berezowska, Switzerland

006 15:40–16:00

Q&A

SY-23	Symposium
14:00–16:00	Osaka/Samarkand
History of Pathology: Historical health institutions	
Chairs: <i>Lina Carvalho, Portugal</i> <i>Mirella Marino, Italy</i>	

001 14:00–14:20

Historical health museums

Gabriella Nesi, Italy

002 14:20–14:40

Historical health institutions in Latin America

Rafael Jimenez, USA

003 14:40–15:00

Historical health institutions in Austria

Roland Sedivy, Austria

004 15:00–15:20

British historical health institutions

Matthew Clarke, United Kingdom

005 15:20–16:00

Q&A

SY-24	Symposium
14:00–16:00	Rio
Joint Symposium Pathology in Favour of Developing Countries & IT in Pathology: Joining forces! Improving diagnostic accuracy by telepathology	
Chairs: <i>Giulia De Falco, United Kingdom</i> <i>Inti Zlobec, Switzerland</i> <i>Antonio Polonia Oliveira, Portugal</i>	

001 14:00–14:30

Digital screening of cervical cancer at the point-of-care

Nina Linder, Finland

002 14:30–14:45

The telepathology model for primary diagnosis—an option to reduce health inequities

Catarina Eloy, Portugal

003 14:45–15:00

Experience with telepathology in combination with diagnostic assistance systems in countries with restricted resources

Peter Fritz, Germany

004 15:00–15:15

Experiences in digital pathology and artificial intelligence from India

Rajiv Kumar Kaushal, India

005 15:15–15:30

Joining forces: the Bern experience

Heather Dawson, Switzerland

006 15:30–16:00

Q&A

BPS-12	Best Poster Session
16:00–16:30	E-Poster Terminal 1
Best Poster Session Cytopathology	
Chair: <i>Elena Vigliar, Italy</i>	

BPS-13	Best Poster Session
16:00–16:30	E-Poster Terminal 2
Best Poster Session Dermatopathology	
Chair: <i>Vasileia Damaskou, Greece</i>	

BPS-14	Best Poster Session
16:00–16:30	E-Poster Terminal 3
Best Poster Session Molecular Pathology	
Chair: <i>Renate Kain, Austria</i>	

BPS-15	Best Poster Session
16:00–16:30	E-Poster Terminal 4
Joint Best Poster Session Cardiovascular Pathology / History of Pathology / Neuropathology	
Chair: <i>Martin Lammens, Belgium</i>	

KNL-04	Keynote Lecture
16:30–17:15	San Francisco
Chairs: <i>Peter Schirmacher, Germany</i> <i>Bettina Bisig, Switzerland</i>	
Juan Rosai Lecture: The art and science of histopathology	
<i>Giovanni Bussolati, Italy</i>	

CC-01	Special Session
17:15–18:00	San Francisco
Closing Ceremony	

ESP General Assembly
Wednesday, 7 September 2022
12:00 – 13:00 · Montreal

Virtual
and
On-Site

► One-Day Symposium on Molecular Pathology Diagnostics and Translational Research (MD)

... is included in the registration fee for participants with a full congress registration.

There is no need to register additionally for the Symposium.

► Monday, 5 September 2022

MD-011-Day MD Symposium

08:30–09:30Boston

Selected Abstracts

Chairs: Carina Heydt, Germany
Matthias Matter, Switzerland

- 001 08:30–08:40
- Comparison of whole genome with broad gene panel sequencing to identify actionable targets for cancer treatment
- Daphne Leunissen, The Netherlands
L. Kester, E. Driehuis, A. zur Hausen, P. Van Diest, W. de Leng, E. Speel
- 002 08:40–08:50
- Validation of TruSight™ Oncology Comprehensive (EU) assay
- Victor Sementchenko, USA
M. Harris, N. Haseley, A. Yazdanparast, P. Wenz, J. Dockter, T. Pawlowski
- 003 08:50–09:00
- Evaluation of MET amplification in lung cancer via Idylla™ GeneFusion cartridges
- Janna Siemanowski, Germany
V. Welter, A. Ehteschami, A. Quaas, S. Merkelbach-Bruse
- 004 09:00–09:10
- Shallow whole genome sequencing accurately detects homologous recombination deficiency in ovarian cancer
- Julien Dagher, Switzerland
N. Scamuffa, V. Vocat Mottier, K. Lefort, L. de Leval, B. Bisig, E. Missiaglia
- 005 09:10–09:20
- Microsatellite instability in intestinal T-cell lymphomas
- Edoardo Missiaglia, Switzerland
D. Vallois, J. Bouilly, E. Lingre, V. Vocat Mottier, L. Veloza Cabrera, K. Lefort, B. Bisig, L. De Leval
- 006 09:20–09:30
- Discussion

MD-021-Day MD Symposium

10:30–12:00Boston

Molecular diagnostics on liquid material

Chairs: Erik Jan Dubbink, The Netherlands
Udo Siebolts, Germany

- 001 10:30–10:48
- Predictive diagnostics on cytological samples in NSCLCs
- Spasenija Savic-Prince, Switzerland
- 002 10:48–11:06
- Circulating tumour DNA applications in colorectal cancer
- Nicola Valeri, United Kingdom
- 003 11:06–11:24
- ProBio—a randomized clinical trial in metastatic prostate cancer using ctDNA for biomarker detection
- Bram De Laere, Sweden
- 004 11:24–11:42
- Detection of gene fusions in liquid biopsies: methodological challenges and clinical fallouts
- Christian Rolfo, USA
- 005 11:42–12:00
- Molecular minimal residual disease in acute myeloid leukemia
- Peter Valk, The Netherlands

MD-03 1-Day MD Symposium**14:45–16:45 Boston****From biological and clinical data interpretation to molecular tumour board decisions***Chairs: Gerald Höfler, Austria
Caterina Marchiò, Italy***001 14:45–15:05**

Application of cancer genome sequencing in diagnostic pathology

Reinhard Büttner, Germany**002 15:05–15:25**

Bioinformatics – the basics

Peggy Weist, Germany**Lukas Heukamp, Germany****003 15:25–15:45**TMB and decision tools in the national Norwegian basket/umbrella trial IMPRESS
Sigve Nakken, Norway**004 15:45–16:05**

Crowd validation of a national broad custom DNA/RNA-capture panel for pan-cancer diagnostics in pathology

Johan Botling, Sweden**005 16:05–16:25**

MTB-based discussion of data from tissue and liquid biopsies; the ROME trial

Andrea Botticelli, Italy**006 16:25–16:45**

Artificial intelligence in cancer therapy: the oncologist's perspective

Christoph Benedikt Westphalen, Germany**MD-04 1-Day MD Symposium****17:15–19:15 Boston****Future developments***Chairs: Johan Botling, Sweden***Sabine Merkelbach-Bruse, Germany****001 17:15–17:35**

Deep learning approaches in cancer pathology

Jakob Kather, Germany**002 17:35–17:55**

Ex vivo drug sensitivity and resistance testing for malignant melanoma

Laura Kohtamäki, Finland**003 17:55–18:15**

AI for patient stratification and treatment response predictive

Nasir Rajpoot, United Kingdom**004 18:15–18:35**

Implementing nationwide whole genome sequencing for all children with cancer in Sweden

David Gisselsson, Sweden**005 18:35–18:55**

Extensive spatial-characterisation of the tumour-microenvironment in a large clinical non-small cell lung cancer cohort and correlation with clinical and pathological parameters

Sharon Ruane, Ireland**006 18:55–19:15**

AIRMEC—an artificial intelligence model to predict the molecular endometrial cancer classification from H&E images

Tjalling Bosse, The Netherlands

Virtual
and
On-Site

► One-Day Computational Pathology Symposium (CP)

... is included in the registration fee for participants with a full congress registration.

There is no need to register additionally for the Symposium.

Sunday, 4 September 2022

CP-01	1-Day CP Symposium
08:30–12:00	Boston
Computational Pathology Symposium: Morning Session	
Chair: <i>Anna Bodén, Sweden</i>	

- 001** 08:30–08:45
Introduction to the concept of Grand Challenges in computational pathology
Geert Litjens, The Netherlands
- 002** 08:45–09:00
Automated identification of nuclei in colon tissue: the CoNIC challenge
Nasir Rajpoot, United Kingdom
- 003** 09:00–09:15
The TIGER challenge: automated quantification of TILs in breast cancer H&E images
Jeroen van der Laak, The Netherlands

004 09:15–09:30
Q&A

005 10:30–11:00
Firstpath – Semantics-based histology image representation and learning
Maria Gabrani, Switzerland

006 11:00–11:30
Explainable deep learning-based decision support for histopathology
Henning Müller, Switzerland

007 11:30–12:00
Deep learning-based histopathology image analysis for cancer diagnosis and treatment
Dimitris Metaxas, USA

CP-02	1-Day CP Symposium
14:45–16:45	Boston
Computational Pathology Symposium: Abstract presentations and Best Abstract Award	
Chair: <i>Shan Raza, United Kingdom</i>	

001 14:45–15:00
Swarm learning for decentralized deep learning in gastric cancer histopathology
Oliver Lester Saldanha, Germany
H. Grabsch, H. Muti, R. Langer, B. Dislich, M. Kohlruf, G. Keller, J. Kather

002 15:00–15:15
BLEACH&STAIN, a novel multiplex fluorescence immunohistochemistry framework that facilitates a fast high throughput analysis of >15 biomarkers in more than 3000 human carcinomas
Niclas Blessin, Germany
K. Möller, N. Debatin, T. Mandelkow, C. Hube-Magg

003 15:15–15:30
Pathologists’ first perspectives on barriers and facilitators of computational pathology implementation in histopathology
Julie Swillens, The Netherlands
I. Nagtegaal, S. Engels, A. Lugli, R. Hermens, J. van der Laak

004 15:30–15:45
The prognostic value of deep learning based mitotic count for breast cancer molecular subtypes
Maschenka Balkenhol, The Netherlands
C. Mercan, L. Tessier, D. Tellez, A. Niendorf, A. Wegscheider, P. Bult, F. Ciompi, J. van der Laak

005 15:45–16:00
Pathologist validation of a machine learned biomarker for risk stratification in colon cancer
Fabio Pagni, Italy
E. Wulczyn, M. Plass, H. Muller, N. Tamini, L. Gianotti, N. Zucchini, R. Reihs, G. Corrado, L. Peng, P. Cameron Chen, M. Lavitrano, Y. LiuLiu, Y. D. Steiner, K. Zatloukal

006 16:00–16:15

Predicting genetic variation from quantitative tissue phenotypes using explainable machine learning

John Connelly, *United Kingdom*

J. Luft, C. Anderson, P. Bankhead, F. Connor, P. Flicek, N. López-Bigas, C. Semple, D. Odom, S. Aitken, M. Taylor

007 16:15–16:30

Successful deployment of an AI solution for primary diagnosis of prostate biopsies in clinical practice

Muhammad Aslam, *United Kingdom*

A. Bansal, M. Atkinson, K. Sawalem, M. Mehdi, H. Abdelsalam, A. Heath, P. Huey, R. Nicholson, J. Theunissen, M. Grinwald, M. Vecsler, C. Linhart

CP-03**1-Day CP Symposium****17:15–19:15****Boston**

Joint Session Computational Pathology Symposium & IT in Pathology: AI Gleason grading 'in the wild', demo session

Chairs: Jeroen van der Laak, The Netherlands

Inti Zlobec, Switzerland

001 17:15–19:15

Interactive Session

Geert Litjens, *The Netherlands*

001 17:15–19:15

Interactive Session

Rainer Grobholz, *Switzerland*

i

Poster Exhibition

Sunday, 4 Sept – Wednesday, 7 Sept
in Hall 4.1 of the CCB

These sessions offer an effective forum for the exchange of information and a means to communicate ideas, research and programmes.

► Poster Sessions

PS-01 – PS-06
Sunday, 4 September 2022

PS-07 – PS-10
Monday, 5 September 2022

PS-11 – PS-17
Tuesday, 6 September 2022

PS-18 – PS-26
Wednesday, 7 September 2022

All poster presenters were invited to upload their posters as E-Posters. All uploaded E-Posters can be searched for and viewed electronically on the E-Poster Terminals in the Foyer on the 2nd Floor from Sunday, 4 to Wednesday, 7 September 2022.

► Sunday, 4 September 2022

PS-01 Poster Session

Poster Session Breast Pathology

Chairs: **Cecily Quinn**, Ireland

Giuseppe Floris, Belgium

001

Insulinoma-associated protein 1 (INSM1) expression in breast carcinomas with neuroendocrine morphologies: application and future perspectives

Tomonori Kawasaki, Japan

T. Tashima, Y. Nakamura, A. Fujimoto, Y. Usami, A. Fujita, H. Imai, Y. Baba, M. Nakahira, S. Ryozaawa, K. Okamoto, H. Kagamu, T. Inozume, C. Muramatsu, M. Saitoh, K. Taniyama, H. Nagai, T. Kondo, A. Enomoto, K. Kaira

002

PRAME expression in invasive breast carcinoma

Lea Korša, Croatia

M. Abramovic, T. Pikivaca, L. Kovačević, M. Milošević, M. Prutki, Z. Marušić

003

Alpha-methylacyl-CoA Racemase (AMACR/P504S) over-expression occurs in the early proliferative lesions of the breast irrespective of apocrine differentiation

Semir Vranic, Qatar

Z. Gatalica, P. Stafford

004

Evaluation of NLRP3 immunohistochemical levels in breast cancer

Maria Lambropoulou, Greece

V. Papadatou, A. Karatza, S. Tologkos, T. Deftereou, V. Lampropoulou, T. Alexiadis, I. Olbasalis, C. Alexiadi, T. ChatzIneophytou, G. Tripsianis, O. Pagonopoulou

005

Encapsulated papillary carcinoma. Our experience from 2005

Alicia Córdoba, Spain

R. Beloqui, I. Fernandez, C. Cerezo, A. Pasco, M. Mercado, I. Amat

006

Applicability of One Step Nucleic Acid in cytokeratin 19 negative tumours, based on a series of cases

Alicia Córdoba, Spain

M. Bronte, I. Fernandez, I. Amat, R. Beloqui, A. Larrea

007

Gross examination of post neoadjuvant chemotherapy (NACT) breast resections in resource constraint setting – how much is enough?

Parthna Shah, India

S. Desai, T. Shet

008

Clinicopathological features and response to neoadjuvant chemotherapy in triple positive breast cancer

Amen Dhaoui, Tunisia

Y. Houcine, K. Hamza, S. Kammoun, G. Sahraoui, S. Ayadi, R. Chargui, M. Driss

009

MMP-2 expression in BC and its association with clinicopathological features and lymph nodes status

Vlada Kometova, Russia

L. Mikhaleva, V. Rodionov, I. Kolyadina, M. Dardyk, M. Rodionova

010

Sentinel lymph node localization with Magtrace. Our experience so far

Efthymios Koniaris, Greece

E. Panopoulou, A. Stylianaki, G. Zografos, G. Kafiri

011

FOXA1 and lymph nodes status in breast cancer

Vlada Kometova, Russia

V. Rodionov, I. Kolyadina, M. Rodionova, M. Dardyk, L. Mikhaleva

012

SLC7A5 expression in breast cancer and its association with molecular subtypes

Vlada Kometova, Russia

I. Kolyadina, L. Mikhaleva, M. Rodionova, M. Dardyk, V. Rodionov

013

Comparison of HercepTest™ mAb pharmDx (Dako Omnis) (GE001) with Ventana PATHWAY anti-HER-2/neu (4B5) in breast cancer

Josef Rüschhoff, Germany

M. Friedrich, I. Nagelmeier, M. Kirchner, L. Andresen, K. Salomon, B. Portier, S. Sredni, H. Schildhaus, B. Jasani, M. Grzelinski, G. Viale

014

Phosphohistone H3 versus mitotic count in breast cancer grading: a single institution study

Nada Mansouri, Tunisia

F. Gargouri, M. Ben Thayer, K. Tlili, R. Aouadi, I. Msakni, B. Laabidi

015

Immune checkpoint genes expression in breast carcinoma: correlation with clinicopathological features and patients survival

Yael Genaro Montoyo Pujol, Spain

M. García-Escolano, T. Martín-Bayon, S. Delgado-García, H. Ballester, J. Ponce, E. Castellón-Molla, J. Sempere-Ortells, F. Aranda López, G. Peiró

016

The malignancy of benignancy. The malignant consequences of benign breast tumours. Is the onus on pathologists? Post-pregnancy associated infarcted fibroadenoma, a rapidly growing benign phyllodes tumour, a benign phyllodes tumour in an adolescent girl

Silvana Di Palma, United Kingdom

A. Gamage, P. Partlett, F. Pakzad, E. Rakha, E. Clayton

018

Breast interstitium or "Hartveit's Labyrinth": morphology and relationship to disease processes

Stella Gordin, USA

B. Belovarac, A. Serrano, L. Chiriboga, B. Zeck, F. Darvishian, D. Nimeh, U. Ozerdem, S. Badve, R. Wells, N. Theise

019

The effect of neoadjuvant chemotherapy on histologic grade and hormone receptor status in HER2/Neu-negative Luminal-B tumours of the breast

Ozgur Can Eren, Turkey

S. Horoz, N. Arı, G. Menetlioglu, H. Kaya

020

Morphological and crystalchemical features of breast cancer microcalcificates

Olena Kolomiets, Ukraine

A. Piddubnyi, S. Danilchenko, R. Moskalenko

021

HER-2 ISH: do we need to count?

Simona Costache, Romania

A. Baltan, A. Jurkiewicz, M. Porter, K. Billingham, H. Haynes, A. Chefani, S. Wedden, M. Sajin, C. D'Arrigo

022

Pathological features of CT-guided bone lesion biopsy specimens in breast cancer patients

Martina Abramovic, Croatia

L. Korša, L. Grbanović, M. Čavka, I. Švagelj, M. Prutki, Z. Marušić

023

Luminal breast cancer subtypes and associated prognostic factors: a population-based study from Osijek, Croatia

Darija Damjanovic, Croatia

J. Rajc, K. Marjanović, R. Gudelj, M. Bakula, R. Alaghebandan

024

Ki67 proliferative index in patients with early breast cancer and its association with clinicopathological factors

Darija Damjanovic, Croatia

J. Rajc, E. Matuzalem Marinović, B. Dumenčić, R. Gudelj, M. Bakula, R. Alaghebandan

025

To determine the accuracy of axillary staging using ultrasound-guided fine-needle aspiration cytology in breast cancer patients: a single institutional experience

Ibrahim Aloglu, Turkey

M. Doğan, S. Aydın Aksu, F. Aker

026
Predictive factors of lymph node metastasis in breast cancer patients: a Croatian population-based study
Zlatka Radicevic, Croatia
J. Rajc, D. Damjanović, R. Gudelj, M. Bakula, R. Alaghebandan

027
GATA3 expression in human tumours: a tissue microarray study on 13,204 tumours
Sarah Minner, Germany
V. Reischwich, M. Lennartz, F. Büscheck, K. Möller, C. Bernreuther, G. Sauter, R. Simon, E. Burandt, A. Marx, T. Krech, A. Hinsch, F. Jacobsen

029
Analysis of intraoperative frozen sections of sentinel lymph nodes – a 10-year long series in a tertiary Portuguese hospital
João Boavida, Portugal
R. Moiteiro da Cruz, L. Correia

030
Determination of inter-observer agreement in the immunohistochemical interpretation of PD-L1 clones 22C3 and SP142 in triple-negative breast cancer (TNBC)
Rafaela De Paula, Brazil
R. Abreu, R. Peixoto, M. Corassa, W. Nunes, T. Neotti, T. Rodrigues, C. Toledo, T. Domingos, D. Carraro, H. Gobbi, M. de Brot

PS-02 **Poster Session**
Poster Session Head & Neck Pathology
*Chairs: Ann Sandison, UK
Cécile Badoual, France*

001
DNA methylation analysis in oropharyngeal squamous cell carcinoma – unravelling novel prognostic biomarkers in a clinico-pathological and molecular genetic study of 51 cases
Jan Laco, Czech Republic
N. Birknerová, H. Kovaříková, I. Baranová, A. Přikrylová, H. Vošmiková, B. Gajdošová, M. Hodek, M. Vošmik, M. Chmelařová, A. Ryška

002
Predictive gene expression model for detection of SDHx mutation in carotid paragangliomas
Vladislav Pavlov, Russia
A. Kobelyatskaya, M. Fedorova, D. Kalinin, A. Golovyuk, G. Krasnov, A. Kudryavtseva, A. Snezhkina

003
Molecular pathways associated with SDHx mutations in vagal paragangliomas
Vladislav Pavlov, Russia
M. Fedorova, E. Pudova, A. Kobelyatskaya, D. Kalinin, A. Golovyuk, G. Krasnov, A. Snezhkina, A. Kudryavtseva

004
The significance of H3K9Me3 and H3K18Ac in salivary gland neoplasms
Ekarat Phattaratatip, Thailand
A. Lam-Ubol

005
H3K9Ac expression in salivary gland tumours: correlation with histopathologic characteristics
Aroonwan Lam-Ubol, Thailand
E. Phattaratatip

006
Predictive modeling for the diagnosis of oral and laryngeal premalignant and malignant lesions using expression of p53 and ki-67
Ji-Seon Jeong, Republic of Korea
K. Cho, H. Lee, Y. Lee, J. Song

007
Comparison of PD-L1 immunohistochemical assays in head and neck carcinoma
Ji-Seon Jeong, Republic of Korea
U. Jo, K. Cho, J. Song

008
PD-L1 expression and its clinicopathological significance in odontogenic carcinomas
Kyu-Young Oh, Republic of Korea
J. Kim, S. Cho, J. Lee, H. Yoon, S. Hong

009

Assessment of TP53 and CDKN2A status can be a predictive marker of malignant transformation of sinonasal inverted papilloma

Soohyeon Kwon, Republic of Korea

E. Kim, J. Paik, J. Chung, J. Wee, S. Cho, T. Won, J. Kim, C. Rhee, H. Kim

010

Ossifying fibroma of the jaws: a clinico-pathological case series study

Meriam Triki, Tunisia

S. Makni, S. Graja, O. Boudawara, N. Gouiaa, W. Ghribi, T. Boudawara, R. Kallel

011

Verification and validation of the anti-PD-L1 antibody, clone 22C3 on a laboratory developed test

Shane Brennan, Ireland

J. O'Neill, S. Kennedy

012

The accuracy of head and neck core needle biopsies and fine needle aspirates at a large teaching hospital

Paul Hankinson, United Kingdom

R. Gorania, A. Khurram

013

Transcription factors profile in sinonasal neuroendocrine neoplasms (snNENs) and olfactory neuroblastoma (ONB)

Fabiana Pettenon, Italy

C. Facco, A. Chiaravalli, M. Turri-Zanoni, P. Castelnovo, S. La Rosa, M. Cerati, F. Sessa, S. Uccella

015

Cervical lymph node extemporaneous assessment by confocal microscopy during surgery: an alternative to frozen section examination?

Odile Casiraghi, France

A. Villard, A. Aupérin, I. Breuskin, S. Asmandar, M. Abbaci

016

Laminin is a useful marker in the differentiation between actinic cheilitis and invasive squamous cell carcinoma in oral biopsies: new insights

Maria Strataki, Greece

K. Zacharouli, P. Doukas, D. Vageli, V. Tsangari, S. Doukas, G. Kabanos, V. Kakanis, R. Papamichali, S. Tzika, G. Koukoulis, M. Ioannou

017

Exploration of the transcriptomic landscape of HPV-positive and HPV-negative oropharyngeal squamous cell carcinoma upon development of cisplatin resistance

Hannah Crane, United Kingdom

K. Hunter, S. El-Khamisy

018

"Molecular" resection margins in squamous cell carcinoma of the oral cavity – report of the first results of the multidisciplinary view

Pavel Hurník, Czech Republic

J. Stembírek, Z. Chyra, T. Sevcikova, J. Reznarova, B. Putnova, Z. Cermakova, T. Blazek, V. Zidlik, O. Res, J. Stransky, M. Buchtova

019

Keratinizing pleomorphic adenoma of parotid salivary glands: analysis of three cases from practice

Mykhailo Myroshnychenko, Ukraine

I. Brodetskyi, V. Malanchuk, O. Dyadyk, Y. Kalashnyk-Vakulenko

022

Frequency of SDHx variants in middle ear paragangliomas

Vladislav Pavlov, Russia

M. Fedorova, E. Pudova, D. Kalinin, A. Golovyuk, G. Krasnov, A. Kobelyatskaya, A. Snezhkina, A. Kudryavtseva

023

Sinonasal inverted papillomas with multiples recurrences: revision of our experience and HPV status

Laura López Vilaró, Spain

M. Campos Mármol, J. Gras Cabrerizo, M. Casasayas Plass, S. Bagué Rosell, J. Szafranska

PS-03

Poster Session

Poster Session IT in Pathology /
Computational Pathology Symposium

Chairs: **Gieri Cathomas**, Switzerland
Rainer Grobholz, Switzerland

001
MarrowQuant 2.0: clinical application of a user-friendly digital hematopathology tool for human bone marrow trephine biopsies
Rita Sarkis, Switzerland
O. Burri, C. Royer-Chardon, S. Blum, F. Schyrr, M. Costanza, S. Sherix, C. Bárcena, B. Bisig, V. Nardi, R. Sarro, O. Spertini, S. Blum, M. Weigert, A. Seitz, B. Deplancke, L. de Leval, O. Naveiras

002
Convolutional neural network-based algorithm for the detection and quantification of the components of the histologic grading of breast ductal adenocarcinoma – the first results
Gheorghe-Emilian Olteanu, Romania
D. Kumar, M. Köteles, I. Mihai

003
Refining pre-analytic deficiency reporting and capture in the anatomical pathology laboratory: a quality improvement initiative
Tra Truong, Canada
P. Roopchand, T. Jordan, Z. Ghorab, E. Slodkowska, M. Downes

004
NLP in diagnostic texts from nephro-pathology
Cleo-Aron Weis, Germany
M. Legnar

006
A multi-feature AI solution for diagnosis support in gastric biopsies: a multi-site clinical study
Judith Sandbank, Israel
J. Calvo, A. Nudelman, T. Garcia, E. Lanteri, J. Reyre, I. Laouar, B. Terris, M. Montagne, C. Rancati, M. Maklakovski, A. Albrecht Shach, A. Arad, G. Sebag, R. Mikulinsky, T. Amit, I. Gross, M. Grinwald, C. Linhart, M. Vecsler

008
Computer aided iron quantification on liver biopsy whole-slide images
Davide Panzeri, Italy
R. Scodellaro, G. Chirico, C. Lancellotti, L. Di Tommaso, L. Sironi

009
AI-aided assessment of HER2 status in primary and metastatic breast carcinoma
Christiane Palm, Switzerland
C. Connolly, R. Masser, B. Padberg Sgier, E. Diamantis Karamitopoulou, B. Bode, M. Tinguely Kovarik

010
Evaluation of Ki67 by image-analysis-enhanced quantitative digital pathology
Maximilian Joshua Krämer, Germany
B. Sinn, P. Jank, A. Grass, A. Litmeyer, M. Untch, D. Gerber, A. Schneeweiss, K. Saeger, M. Gleitsmann, J. Furlanetto, S. von Gerlach, B. Felder, A. Ramaswamy, S. Loibl, C. Denkert, W. Schmitt

011
Leveraging deep learning-based mitosis detection models for supporting automated breast cancer grading
Konstanty Korski, Switzerland
K. Badowski, X. Li, Y. Nie, S. Abbasi-Sureshjani

012
Computer-aided algorithm and 3D imaging technology are sensitive methods in the diagnosis of HER2 expression-low breast cancers
Yi-Hsuan Lee, Taiwan
Y. Hsieh, S. Chang, Y. Chen, Y. Lin, Y. Lin

013
Differential diagnosis of Crohn’s disease and Ulcerative Colitis with deep learning based on hyperspectral infrared images
Frederik Großerüschkamp, Germany
T. Arto, T. Müller, A. Mosig, M. Neurath, S. Zundler, K. Gerwert

014
Generalisation of deep learning for breast cancer metastasis detection
Sofia Jarkman, Sweden
M. Karlberg, M. Pocevičiūtė, A. Bodén, P. Bándi, G. Litjens, C. Lundström, D. Treanor, J. van der Laak

015

The use of digital pathology and artificial intelligence in the assessment of multiple myeloma

Katherine Sheehan, Ireland
M. McCabe, S. Glavey

016

Optimization of automated tissue classification in histopathological images: use of a deep transfer learning approach on a pancreatic cancer cohort

Lena Häberle, Germany
R. Kronberg, **M. Pfäus**, **H. Xu**, **K. Krings**,
M. Schlenz, **T. Rau**, **A. Pandya**, **K. Lang**,
I. Esposito, **P. Lang**

017

Inter-rater agreement of pathologists on determining cell-level PD-L1 status in non-small cell lung cancer

Leander Van Eekelen, The Netherlands
E. Munari, **I. Girolami**, **A. Eccher**, **J. van der Laak**, **K. Grünberg**, **M. Looijen-Salamon**,
S. Vos, **F. Ciompi**

018

Nuclei detection with YOLOv5 in PD-L1 stained non-small cell lung cancer whole-slide images

Leander Van Eekelen, The Netherlands
E. Munari, **L. Dulce Meesters**, **G. Silva de Souza**, **M. Demirel-Andishmand**, **D. Zegers**,
M. Looijen-Salamon, **S. Vos**, **F. Ciompi**

019

Automated annotation of digital H&E/SOX10 dual stains generates high-performing convolutional neural network for calculating tumour burden in H&E-stained cutaneous melanoma

Patricia Switten Nielsen, Denmark
J. Georgsen, **M. Vinding**, **L. Østergaard**,
T. Steiniche

021

Collaborative web platform: lab organisation, research and digital pathology practice

Vitor Sousa, Portugal
R. Almeida, **V. Almeida**, **M. Reis Silva**,
R. Jesus, **L. Bastião Silva**, **D. Gonzalez**,
T. Adão, **J. Carias**, **C. Costa**, **L. Carvalho**

022

Upconversion nanoparticles as labels for histopathological tissue evaluation

Tim Nilsson, Sweden
K. Krawczyk, **M. Mickert**, **S. Andersson-Engels**

023

Computer-assisted diagnosis of early-stage lung adenocarcinoma using deep learning

Teodora-Elena Trandafir, The Netherlands
J. Wolf, **F. Akram**, **Y. Li**, **A. Dingemans**,
A. Stubbs, **J. von der Thüsen**

024

A novel machine learning pipeline to analyze unstained liver biopsies and automatically quantify tumour-related structures

Riccardo Scodellaro, Italy
D. Panzeri, **E. Pagani**, **L. D'Alfonso**,
M. Bouzin, **M. Collini**, **G. Chirico**, **D. Inverso**,
L. Sironi

025

Segmentation of anthracosis – a needed first step in digital analysis of lung tissue

Philipp Zens, Switzerland
E. Baumann, **A. Janowczyk**, **M. Kreutzfeldt**,
D. Merkler, **S. Berezowska**

027

Deep learning neural networks for real-time discrimination between osteosarcoma and fracture callus on conventional histological (H&E) sections

Dionysios Papachristou, Greece
S. Stavropoulos, **K. Gourdoupis**,
S. Georgopoulos, **V. Plagianakos**

028

Novel approach for adaptive colour normalisation based on tissue thickness and biological tissue type variability

Jaya Jain, India
P. Perugupalli, **R. Gupta**, **D. Dodle**,
S. Krishna, **V. Rao**

029

Digital image analyses applied to HSIL cervical biopsies

Ana Alves, Portugal
V. Almeida, **R. Almeida**, **M. Reis Silva**,
V. Sousa, **L. Carvalho**

030
Using a digital platform to organize and manage pathology residents curricula in Portugal
Fátima Ramalhosa, Portugal
F. Pereira, C. Alves-Vale, D. Argyropoulou, C. Dahlstedt-Ferreira, C. Padrão, D. João, A. Lozada, G. Gerardo, J. Vaz da Silva, A. Gonçalves Pereira, R. Coelho, J. Gancho Figueiredo, R. Veiga

032
AI(H): deep learning model for standing and grading autoimmune hepatitis from histology
Caner Ercan, Switzerland
K. Kordy, A. Knuuttila, X. Zhou, D. Kumar, P. Mesenbrink, S. Eppenberger-Castori, L. Terracciano, M. Pedrosa

033
An assisting deep learning tool for accurate detection of colorectal cancer lymph node metastasis
Amjad Khan, Switzerland
N. Brouwer, F. Müller, H. Dawson, J. Thiran, I. Nagtegaal, A. Blank, A. Perren, A. Lugli, I. Zlobec

034
The creation of a virtual pathology department: a novel solution to a modern crisis
Runjan Chetty, Ireland
J. Fitzgerald, M. Colleluori, D. O'Shea

PS-04 **Poster Session**
Poster Session Nephropathology
Chair: Amelie Dendooven, Belgium

001
Morphometric analysis of lysosomes in the renal tubule in monoclonal gammopathy using transmission electron microscopy: 'mottled appearance' and beyond
Minsun Jung, Republic of Korea
H. Lee, K. Moon

002
Gene expression characteristics of T-cell-mediated alloimmune response in HIV-infected kidney transplant recipients
Dejan Dobi, Hungary
A. Zarinsefat, Y. Kelly, P. Stock, Z. Laszik

003
Chief renal medullary osmolytes NaCl and urea differentially modulate tubular cellcytokine expression and monocyte recruitment
Jessica Schmitz, Germany
N. Brauns, A. Hüsing, M. Flechsig, T. Lepletier Glomb, H. Haller, J. Bräsen, S. von Vietinghoff

004
Adverse renal effects of immune checkpoint inhibitors: presentation of 12 patients undergoing renal biopsy
Anastasios Stofas, Greece
K. Palamaris, D. Alexandris, I. Giatras, A. Patereli, H. Theodoropoulou, A. Koutsovasili, C. Kaitatzoglou, E. Psimenou, K. Stylianou, A. Gerakis, N. Alevizopoulos, S. Theocharis, E. Kastritis, H. Gakiopoulou

005
Compensatory and regenerative potential in kidneys of newborns from mothers with complicated pregnancy by preeclampsia and iron deficiency anemia
Mykhailo Myroshnychenko, Ukraine
N. Kapustnyk, A. Shapkin, T. Moiseienko, I. Torianyk, V. Ivannik, T. Chastii, I. Mozhaiev

006
Renal amyloid deposition limited to glomeruli in caveolin-1 knockout mice
George Terinte-Balcan, Romania
D. Marta, M. Gherghiceanu

007
Clinical and pathohistological characteristics of COL4A3 c.2881+1G>A variant causing Alport spectrum disorders in Croatian population
Matija Horacek, Croatia
P. Šenjug, S. Kuzmac, M. Šenjug Perica, D. Klarić, F. Paić, T. Nikuševa Martić, D. Galešić Ljubanović

008
Ursolic acid prevents the dysregulation in the expression of histone methylation-related epigenetic enzymes in diabetic kidney
Simona-Adriana Manea, Romania
A. Lazar, M. Vlad, A. Manea

009

A multihierarchical terminology for non-neoplastic kidney biopsies: kidney biopsy codes for pathologists

Amelie Dendooven, Belgium

H. Weishaupt, K. Amann, H. Hopfer,

R. Cornet, L. Gesualdo, S. Leh

010

Association of amyloid deposits with C4d immunohistochemical staining in kidney allografts on the onset of AA amyloidosis recurrence

Claudia Andrea Gomez Gonzalez, Turkey

S. Şen, A. Çeltik, G. Aşçı, B. Sarsık

Kumbaracı, H. Töz

PS-05

Poster Session

Poster Session Ophthalmic Pathology

Chair: Fiona Roberts, United Kingdom

001

Conjunctival Melanoma in Ireland – a sixty year review

Laoise Coady, Ireland

C. Hegarty, K. Kulakova, S. Kennedy

002

Uveal melanoma: ten years of experience and behaviour in the Principality of Asturias. A retrospective analysis

Mario Berríos-Hernández, Spain

M. González-Gutiérrez, H. Torres-Rivas,

N. González-Ortega, L. Fernández Fernández,

C. Fuente-Díaz, M. García, V. Blanco-

Lorenzo, B. Vivanco-Allende, C. González del

Rey-Rodríguez, A. Encinas-Muñiz

003

Retinoblastoma in Ireland; the next generation sequencing molecular profiles of selected enucleation cases with a special focus on non-RB1 mutations and a comprehensive review of the retinoblastoma caseload in Ireland over the past 20 years

Jessica Maguire, Ireland

A. Greene, M. Capra, L. Bradley, A. Green,

C. Hartnett, S. Kennedy

004

Histopathologic findings of lens capsule and persistent hyperplastic primary vitreous of Korean juvenile cataract patients

Yeonmee Kim, Republic of Korea

C. Cho, J. Kim, W. Kim, H. Kim, Y. Chun,

W. Kim

PS-06

Poster Session

Poster Session Paediatric and Perinatal Pathology

Chair: Jens Stahlschmidt, United Kingdom

001

Paediatric soft tissue malignant tumours: a 16 year experience with literature review

Nihed Abdessayed, Tunisia

A. Bchir, T. Tlili, Y. Fejji, B. Sriha, M. Mokni

002

The role of preeclamptic stem villi oblitterative angiopathy in the prognosis of newborn status

Olga Voronova, Russia

L. Mikhaleva

003

Immunohistochemical characteristics of the vessels of the supporting villi of the placenta during preeclampsia

Olga Voronova, Russia

L. Mikhaleva

004

Foetal autopsy: causes of foetal death

Ljubica Simic, Serbia

J. Jevtic, M. Jovanovic, M. Ninkovic, J. Sopta

005

The association of mir-204 and mir-483 5p expression with clinicopathological features of Wilms tumour: could provide foresight?

İsmail Guzelis, Turkey

A. Orgen Calli, G. Issin, İ. Yılmaz, D. Ince,

E. Tural, R. Cecen, H. Olgun, D. Kabakci,

E. Ozer

006

Histopathological assessment of placenta in maternal SARS-CoV-2 infection

Raluca Balan, Romania

I. Caruntu, I. Pavaleanu, T. Butureanu,

M. Pavaleanu, D. Popovici, S. Giusca,

L. Lozaneanu, T. Balan, C. Amalinei

PS-06

PS-05

PS-04

Sunday, 4 Sept

► Monday, 5 September 2022

PS-07 Poster Session

Poster Session Digestive Diseases Pathology – GI

*Chairs: Maria Westerhoff, USA
Jean-Francois Fléjou, France
Ann Driessen, Belgium*

001

Podoplanin expression in neoplastic cells and cancer-associated fibroblasts in colorectal cancer predicts unfavorable clinicopathological features

Ricella Souza Da Silva, Portugal
E. Queiroga, C. Osório, K. Cunha, E. Dias

002

IgG4 as a biomarker for inflammatory bowel disease

Diana-Alexandra Raduta, Romania
S. Zurac, M. Busca, R. Ardeleanu, A. Vilaia, A. Dinculescu, M. Filip, L. Liliana Cristina, C. Popp

003

MMR proteins and PD-L1 status: impact on gastric adenocarcinoma's prognosis

Farah Sassi, Tunisia
R. Jouini, F. Khanchel, I. Helal, R. Hedhli, H. Zaaoui, M. Sabbah, E. Ben Brahim, A. Chadli Debbiche

004

Pathomorphological and molecular genetic features of serrated colorectal lesions

Liudmila Mikhaleva, Russia
R. Vandyshcheva, N. Shakhpazyan, A. Biryukov, M. Guschin

005

Tumour infiltrating lymphocytes (TILs) relate to PD-L1 expression and provide prognostic value in stage II and III colon cancer patients

Pablo Azcue, France
I. Encío, R. Vera, M. Mercado, M. Gómez-Dorronsoro

006

Novel patterns of V-set and immunoglobulin domain containing 1 expression in gastric cancer

Catalin-Bogdan Satala, Romania
I. Jung, Z. Kovacs, R. Stefan-Van Staden, T. Bara, C. Molnar, A. Patrichi, S. Gurzu

007

Serum and mucosal CD30 in pediatric inflammatory bowel diseases (IBD): useful biomarkers for diagnosis and disease activity monitoring?

Ondrej Fabian, Czech Republic
A. Klocperk, T. Lerchova, P. Jencova, L. Stolova, M. Belhajova, D. Voriskova, D. Kazeka, A. Vicha, O. Hradsky, J. Bronsky

008

Assessment of immune T cells expression in colorectal cancer

Sabrina Dhouioui, Tunisia
N. Boujelbene, I. Zemni, H. Ben Yahia, W. Babay, A. Ben Mansour, K. Mrad, H. Ouzari, I. Zidi

009

HLA-E proteins expression and clinical relevance in colorectal cancer

Sabrina Dhouioui, Tunisia
N. Boujelbene, I. Zemni, H. Ben Yahia, W. Babay, M. Brahim, H. Ouzari, K. Mrad, I. Zidi

010

Epstein-Barr virus infection in chemoradiotherapy-naïve gastric adenocarcinoma: relationship with PD-L1 Expression and survival

Khouloud Ben Lazreg, Tunisia
F. Sassi, R. Jouini, I. Helal, F. Khanchel, R. Hedhli, H. Zaaoui, M. Sabbah, O. Khayat, E. Ben Brahim, A. Chadli

011

Ckit mutations in patients with gastrointestinal stromal tumours

Mukta Ramadwar, India
L. Rambadran, O. Shetty, M. Gurav, K. Deodhar, M. Bal, R. Kaushal, S. Yadav, V. Ostwal, M. Bhandare

012

Molecular landscape of rectal cancer patients up to 5th decade – the preliminary results

Piotr Lewitowicz, Poland
M. Kozłowska-Geller, M. Wawrzczak-Kasza, W. Lewitowicz, S. Zieba

013

Evaluating PTEN expression using immunohistochemistry in neuroendocrine tumours of the digestive tract and correlations with tumour grade and location – a seven-year retrospective study

Andrei Dorel Ploeanu, Romania

A. Dema, O. Popa, A. Pascu, R. Barna, B. Nataras, S. Taban

014

Association between Immunoscore and budding in colorectal carcinoma

Imen Helal, Tunisia

K. Ben Lazreg, F. Khanchel, M. Ben Thayer, R. Hedhli, E. Ben Brahim, R. Jouini, A. Chadli

015

Correlation between endoscopic appearance and histology in immune checkpoint inhibitors-induced gastritis

Irena Ungureanu, France

P. Bonnet, C. Julié, D. Parlier, P. Saiag, D. Lamarque, J. Emile, F. Elisa

016

Diagnostic usefulness of p53 immunostaining in gastric cancer and dysplasia: a real-world clinical experience

Moonsik Kim, Republic of Korea

017

Tumour area infiltration and absolute tumour cell counts in endoscopic biopsies of therapy-naïve upper GI tract carcinomas – implications for predictive biomarker testing

Alexander Quaas, Germany

H. Lamberty, A. Scheel, Y. Tolkach, F. Gebauer, B. Schoemig-Markiefka, T. Zander, R. Büttner, J. Rueschoff, C. Bruns, W. Schroeder

018

Immune microenvironment landscape shows treatment specific differences in rectal cancer patients

Cristina Graham Martínez, The Netherlands

Y. Barella, S. Kus Oztürk, M. Gorris, S. van Lent-van Vliet, C. Marijnen, I. Nagtegaal

019

H3K27me3 immunohistochemical loss predicts response to neo-adjuvant chemo-radiotherapy (CRT) in patients with locally advanced rectal adenocarcinoma

Nicolo' Caldonazzi, Italy

P. Rizzo, S. Ammendola, G. Turri, C. Pedrazzani, A. Scarpa, V. Barresi

020

NET G3 of the digestive system: clinicopathological and molecular features of 7 cases

Lorenzo Casiccia, Italy

R. Maragliano, M. Testa, F. Sessa, S. La Rosa, S. Uccella

021

PINK1 analysis in colorectal adenocarcinoma and their respective hepatic metastasis with clinical relevancy

Juan Carlos Celis Pinto, Spain

D. Corte-Torres, A. Vallina, A. Alonso Fernández-Velasco, I. Fernandez Vega

023

The usefulness of Cyclin D1 in diagnostics of naïve, CD117/DOG1 positive gastrointestinal stromal tumours (GISTs) – correlation with other histological and immunohistochemical factors

Malgorzata Lenarcik, Poland

M. Polkowski, P. Wieszczy, A. Mróz

024

Granulomatous appendicitis: a diagnostic challenge. Clinicopathological retrospective study of 60 cases

Alejandro Pasco Peña, Spain

A. Larrea, G. Aísa Rivera, M. Cevallos, M. Mercado, Á. Panizo

025

Impact of IL-17-positive lymphocytes and -197A/G SNP in development of gastric cancer

Elina Aleksandrova, Bulgaria

J. Ananiev, K. Ivanova, M. Hadzhi, M. Galabova

026

Prognostic value of natural killer cells in colorectal carcinoma

Imen Helal, Tunisia

K. Ben Abdallah, F. Khanchel, S. Fkih, R. Hedhli, E. Ben Brahim, R. Jouini, A. Chadli

027

Prognosis of the pre-treatment immunological characteristics of neoadjuvant therapy in esophageal squamous cell carcinoma

Yueping Liu, China

J. Li

028

Adding a zero Buds group (BD0) in the tumor budding scoring system in colorectal carcinomas: is it relevant?

Imen Helal, Tunisia

M. Ben Thayer, F. Khanchel, S. Fkih, R. Hedhli, E. Ben Brahim, R. Jouini, A. Chadli

029

Microsatellite instability (MSI) immunohistochemistry (IHC), colorectal cancer and Lynch syndrome (LS) genetic testing – one year experience at UK District General Hospital

Archana Bommana, United Kingdom

R. Swamy

031

Morphological spectrum and clinicopathological correlation in appendiceal mucinous neoplasms (AMN) and pseudomyxoma peritonei (PMP): retrospective histopathology review of cases seen at a tertiary care institution between Jan 2012-June 2019

Kedar Deodhar, India

A. Jadhav, S. Mokul, R. Kaushal, M. Bal, M. Ramadwar

032

Histopathology and surgery in early-onset inflammatory bowel disease: a Colombian-based cohort study

Rocio Del Pilar Lopez-Panqueva, Colombia

D. Rubio-Cruz, J. Vera Chamorro, B. Mendoza de Molano, E. Londoño-Schimmer, R. García-Duperly, M. Mejía-Arango

033

Expression of the ghrelin receptor in GIST

Irene Alexandra Spiridon, Romania

S. Giusca, D. Ciobanu-Apostol, I. Caruntu

034

Evaluation of tumour-stroma ratio in gastric adenocarcinomas with semi-automatic digital imaging method and its relation with clinicopathological parameters and prognosis

Berfin Ekin Gözükar, Turkey

A. Gönültaş, A. Sürmelioğlu, F. Aker, M. Doğan

035

Mismatch repair status and PDL-1 expression in gastric carcinoma

Sila Yılmaz Erozbek, Turkey

Z. Bayramoglu, E. Kuzucular, F. Özden

036

Assessment of mucosal lymphatic vessels and regional lymph nodes of in-situ colorectal carcinoma

Karmelee Saez De Gordo, Spain

M. T. Rodrigo, I. Archilla, S. Lopez-Prades, N. Vidal-Robau, G. Caballero, R. López del Campo, L. Rojo, A. Diaz, M. Cuatrecasas

037

The impact of cancer stem cell markers in distal cholangiocarcinoma

Guilherme Fontinha, Portugal

J. Gama, F. Silva, P. Teixeira, R. Oliveira, M. Cipriano

038

Agreement in tumour budding and poorly differentiated cluster detection in consecutive digitalized images with focus on mimickers, serial images and expertise

Mireya Jimeno, Spain

R. López-Martos, J. Fernández, M. Serrano, S. Roca, A. Sánchez-Gil

039

Automated tumour budding quantification in T1 colorectal carcinoma H&E slides: association to lymph node metastasis

Ines Nearchou, USA

Y. Kajiwar, M. Ueno, K. Kouzu, T. Nakamura, K. Lillard, H. Ueno

040

Inter-observer concordance in the measurement of histological risk factors in pT1 colorectal adenocarcinomas

Karmelee Saez De Gordo, Spain

I. Archilla, M. Rodrigo-Calvo, J. Aguirre, M. Camara Jurado, A. Canosa, F. Giner, M. Jimeno, I. Jurado, S. Landolfi, A. Lloret, I. Machado, C. Martínez-Ciarpaglini, E. Musulen, D. Naranjo, N. Papaleo, Ö. Rosiñol, R. Sanchez Yuste, G. Vázquez Benítez, M. Cuatrecasas

041

Diagnostic utility of CK20, SATB2, CDH17, and Villin for the identification of gastrointestinal tumour origin: a tissue microarray study on 7711 tumours of 117 tumour entities

Frank Jacobsen, Germany

D. Dum, P. Lebok, M. Lennartz, S. Weidemann, E. Burandt, C. Fraune, R. Simon, T. Krech, F. Büscheck, T. Clauditz, X. Duan

043

Nonconventional dysplasia in inflammatory bowel disease associated colorectal adenocarcinoma: a clinicopathologic study of twenty-four cases

Angel Panizo, Spain

T. Dot Gómara, S. Rázuquin Lizarraga, T. Labiano Miravalles, G. Aísa Rivera, M. Llanos Chavarri, M. Bronte Anaut, I. Sánchez Sánchez, E. Sierra Arellano, R. Unciti Ruiz

044

Clinicopathological study of retroperitoneal margin invasion in right radical hemicolectomy with colon cancer

Manuel Francisco Molina-Centelles, Spain

P. Guerrero Antolino, M. Frasson, I. Rienda Martínez, N. Rausell Fontestad, C. Zac Romero, D. Ramos Soler, E. García-Granero Ximénez, F. Giner Segura

045

Hemorrhoidectomy specimens: incidental malignant lesions. An eight-year retrospective study with eleven case reports

Geanelle Geraldinne Yange Zambrano, Spain

G. Moreno De Juan, J. Yange-Zambrano, I. Gallego Gutiérrez, N. González-Ortega, M. Del-Barrio-Molina, M. Novell-Grau

046

Prognostic value of Decorin expression at the invasive front of colorectal adenocarcinomas

Dina Tiniakos, Greece/UK

D. Bouklas, A. Kostopoulou, A. Lazaris, N. Kavantzias, A. Gklavas, E. Kapeni, D. Karandrea, G. Thomopoulou

047

Simulated digital gastric cancer endoscopic biopsies and surgical resections stained with PD-L1 IHC 22C3 pharmDx present similar PD-L1 expression when scored using combined positive score

Emily Olander, USA

D. Monaco, J. Quiroz, K. Kulangara, S. Hund, L. Peltz, E. Manna, S. Tabuena-Frolli

048

Impact of the Covid-19 crisis on digestive cancers operated on in a Tunisian hospital center

Sirine Elfekih, Tunisia

M. Ben Thayer, F. Khanchel, I. Helal, R. Hedhli, E. Ben Brahim, R. Jouini, A. Chadli

049

Prognostic relevance of tumour budding and poorly differentiated clusters in gastric adenocarcinoma

Éva Kocsmár, Hungary

L. Szalai, Á. Jakab, I. Kocsmár, I. Szirtes, A. Szijártó, Z. Schaff, A. Kiss, G. Lotz

050

Microsatellite instability status and tumour regression grading on gastric and gastroesophageal junction adenocarcinoma – the first portrait of a Portuguese reality

Rafael Moiteiro Da Cruz, Portugal

V. Lobo, C. Melo-Alvim, R. Luís

051

Duodenal adenoma in familial adenomatous polyposis (FAP), a case series

Marta Miralles, Spain

C. Fumagalli, T. Vázquez del Olmo, A. Gallardo Alcañiz, M. Campos Mármol, A. Prat Cantoral, D. Piñol Ballús, J. Szafranska

052

Spasmolytic polypeptide-expressing meta-
plasia as a marker for gastric cancer risk
prediction

Sergei Mozgovoi, *Russia*

*M. Stepanchenko, A. Gubanov, M. Parygina,
J. Fedotova, M. Livzan*

053

Concurrent loss of MLH1, PMS2 and
MSH6 immunoexpression in gastrointesti-
nal cancer indicating a widespread
dysregulation in DNA reparation
processes

Nic Reitsam, *Germany*

*S. Dintner, A. Probst, D. Vlasenko, J. Enke,
B. Märkl, B. Grosser*

054

Intestinal spirochetosis: clinicopathologi-
cal features of 22 year experience in a
single institution

Alejandro Pasco Peña, *Spain*

*M. Mercado, A. Larrea, C. Cerezo, C. Fuertes,
I. Amat, A. Córdoba*

056

Crypt epithelial apoptosis: sounds like
IBD is on the horizon...

Havva Berber, *Turkey*

*A. Bol, E. Serbes, S. Kurt, Z. Kuloglu,
A. Kansu, M. Toruner, B. Savaş, A. Ensari*

PS-08

Poster Session

Poster Session Gynaecological Pathology

Chairs: Ana Felix, Portugal

Joost Bart, The Netherlands

Jutta Huvila, Finland

001

Heat artifact simulating serous tubal
intraepithelial carcinoma: systemic
histological analysis of prophylactic
fallopian tube resection specimens

Masaharu Fukunaga, *Japan*

N. Fukunaga

002

Intravenous leiomyomatosis of the uterus:
a clinicopathological analysis of nine
cases

Farah Sassi, *Tunisia*

*F. Khanchel, R. Jouini, I. Helal, R. Hedhli,
E. Ben Brahimi, S. Sassi, A. Chadli Debbiche*

004

Immunohistochemical expression of
neuroendocrine markers in a large cohort
of primary ovarian tumours

Michaela Bartu, *Czech Republic*

*K. Němejcová, P. Dundr, J. Laco, M. Flidrová,
R. Jakša, J. Galko, I. Stružinská*

005

Immunohistochemical expression of
NLRP3 inflammasome in endometrial
carcinoma

Maria Lambropoulou, *Greece*

*V. Papadatou, E. Pappa, S. Tologkos,
T. Deftereou, C. Alexiadi, V. Lampropoulou,
A. Karatz, T. Chatzineophytou, G. Tripsianis,
O. Pagonopoulou*

006

Malignant struma ovarii with peritoneal
implants: a report of 4 cases with
molecular analysis on each site

Sophie Neyrand, *France*

*M. Decaussin-Petrucci, F. Descotes, J. Lopez,
M. Devouassoux-Shisheboran*

007

Expression of programmed death ligand-1
and mismatch repair status in epithelial
ovarian carcinomas

Meenakshi Rao, *India*

*M. Rajendran, P. Elhence, J. Naresh Bharti,
P. Singh, G. Yadav, A. Nalwa*

008

Oct-4 expression as a pluripotency factor
and changes of apoptosis in the uterus
during spontaneous and immune-depend-
ent abortions in mice

Polina Veshnyakova, *Russia*

*K. Artem'eva, I. Stepanova, I. Bogdanova,
M. Boltovskaya, N. Yaglova, S. Obernikhi,
E. Ponomarenko*

009

The effect of a mesenchymal stem cell
conditioned medium fraction on uterine
healing after full-thickness surgical
incision

Polina Veshnyakova, *Russia*

*N. Tikhonova, A. Milovanov, V. Alexankina,
T. Fokina, A. Alexankin, M. Boltovskaya,
N. Nizyaeva, A. Sklifas, A. Temnov*

010

Morphological features of the placenta in women with confirmed SARS-CoV-2 infection

Polina Veshnyakova, Russia

N. Nizyaeva, E. Dolgopolova, N. Lomova, R. Shmakov, V. Frankevich

011

PD-L1 IHC 22C3 pharmDx: Analytical validation on cervical cancer specimens

Jeanette Musser, USA

T. Evans, A. Posch, J. Vasquez, S. Tabuena-Frolli, A. Apostolaki, K. Kulangara

012

Number of FoxP3+ regulatory T-cells are associated with recurrence in vulvar squamous cell carcinoma

Deniz Arik, Turkey

T. Benli, E. Telli

013

Diagnostic value of immunohistochemical staining in fumarate hydratase-deficient leiomyoma

Alina Magnaeva, Russia

A. Asaturova, A. Tregubova

014

Endometriosis cases of a tertiary center. Retrospective evaluation of patients detected in a year

Isil Bagci, Turkey

D. Arik

015

Trend analysis as a quality measurement for biomarkers – mismatch repair application

Anna Plotkin, Canada

017

Expression patterns of the gonadotropin and sex hormone receptors in various cell types of human endometrium during the menstrual cycle

Alina Magnaeva, Russia

M. Shamarakova, A. Tsitrina, A. Asaturova, G. Tabeeva, A. Tregubova, L. Ezhova, V. Bozenko

018

An EMT-based score model identifies poor prognosis endometrial cancer (EC) patients and highlights COL11A1 as an independent risk factor of adverse events

Andrea Mascaros Martinez, Spain

A. Arroyo-Alvarez, E. Gonzalez, S. Tomas-Perez, B. McCormack, A. Herreros-Pomares, I. Marin-Ajado, J. Mari-Alexandre, J. Gilabert-Estelles, N. Santonja-Lopez

019

Mesonephric-like adenocarcinomas of the ovary: pathological and molecular characterisation of a case series

Antonio De Leo, Italy

A. Corradini, F. Rosini, L. Di Sciascio, A. Orsatti, R. Ciudino, F. Chiarucci, M. Grillini, S. Coluccelli, T. Maloberti, G. Tallini, D. Santini, D. de Biase

020

Neuroendocrine neoplasms of the female genital tract: correlation of molecular, immunohistochemical and clinical features in 24 cases

Margherita Testa, Italy

C. Amaglio, R. Maragliano, E. Leoni, F. Sessa, D. Furlan, S. Uccella

021

Contribution of β -catenin in endometrial cancer progression

Zoe Greally, Poland

E. O'Regan, P. Lewitowicz, O. Adamczyk-Gruszka, A. Horecka-Lewitowicz, J. Gruszka, A. Strzelecka

022

Histopathological features of placentas of mothers who have had COVID19 infection during pregnancy

Nese Yeldir, Turkey

G. Sönmez Ünal, H. Özer

023

Expression of Caspase-8 and Bcl-2 in eutopic endometrium of women with chronic endometritis and endometriosis

Anna Tregubova, Russia

G. Tabeeva, M. Dumanovskaya, A. Magnaeva, A. Asaturova, S. Pavlovich

024

Mesonephric-like adenocarcinoma of the endometrium frequently associated with KRAS mutation and adenomyosis
Yikyong Chun, Republic of Korea
Y. M. Kim, Y. Kim

026

HPV-positive status and p53 alterations are associated with improved disease-free survival in patients with vulvar squamous cell carcinoma
Adela Saco, Spain
N. Carreras-Diequez, C. Manzotti, M. del Pino, N. Rakislova, I. Trias, I. Ribera-Cortada, S. Alos, R. López del Campo, S. Diaz-Mercedes, L. Marimon, M. Rodrigo, J. Ordi

027

Intraoperative pathologic evaluation of the ovary: a 21-year institutional practice review
Tiago André Sousa Oliveira, Portugal
M. Pinho, D. López-Presa

028

A new homologous recombination deficiency (HRD) test in ovarian cancer provides a high diagnostic yield
Jeongwon Kim, Republic of Korea
G. Kwon, S. Baik, S. Lee, E. Oh, J. Hong, S. Kim, K. Lee

029

Influence of histological and immunohistochemical features of endometrioid adenocarcinoma on the microvascular tumour density
Mykola Lyndin, Ukraine
O. Kravtsova, V. Sikora, N. Hyriavenko, Y. Lyndina, Y. Soroka, R. Moskalenko, A. Romaniuk

030

Germline and somatic BRCA1 and BRCA2 mutational analysis in non-mucinous ovarian carcinomas. A retrospective and descriptive study of 80 cases
Ana Belen Moreno García, Spain
I. Costa Trachsel, C. Blázquez-Mañá, A. Reques Llanos, R. Carrera-Salas, M. Martinez Reyes, A. Falgueras i Sanchez, M. Ramos-Guijo, Y. Garcia Garcia, L. Ribot Luna, A. Ruiz Nel-lo, J. Ferreres Piñas

033

Uterine smooth muscle tumours of uncertain malignant potential (STUMPs) with fumarate hydratase deficiency: report of 2 cases
Catarina Alves-Vale, Portugal
A. Beltran, A. Alves

034

High-risk HPV screening – a retrospective study of a Portuguese cervical cancer screening program
Rafael Moiteiro Da Cruz, Portugal
T. André Sousa Oliveira, J. Boavida, M. Pinho, C. Ferreira, D. López-Presa

035

Disagreement in anatomopathological review reports in gynaecological pathology and its impact on treatment: the importance of the subspecialist pathologist in a cancer center
Rafaela De Paula, Brazil
B. Maran, L. De Brot, M. Corassa

036

Ovary intraoperative consultation – are we doing the best we can? – A ten-year retrospective analysis of our experience
Catrine Dahlstedt-Ferreira, Portugal
S. Carralas Antunes, R. Oliveira, D. Gomes Pinto

037

Intra-operative consultation of endometrial cancer – are frozen sections better than gross inspection alone? – A single-center retrospective series over seven years
Sofia Antunes, Portugal
C. Dahlstedt Ferreira, R. Oliveira, D. Gomes Pinto

038

PD-L1 and mismatch repair (MMR) protein expression in small cell carcinomas of the uterine cervix
Rafael Moiteiro Da Cruz, Portugal
J. Almeida-Tavares, S. Lérias

039

Polymerase- ϵ exonuclease domain mutations predict excellent outcome among SWI/SNF-deficient undifferentiated and dedifferentiated endometrial carcinomas

Basile Tessier-Cloutier, USA

M. Köbel, A. Momeni-Boroujeni, J. Benhamida, C. Stewart, M. Ladanyi, R. Soslow, C. Lee

040

Contribution of Forkhead box A1 to endometrial cancer progression

Erin O'Regan, Poland

Z. Grealley, P. Lewitowicz, O. Adamczyk-Gruszka, A. Horecka-Lewitowicz, J. Gruszka, A. Strzelecka

PS-09

Poster Session

Poster Session Haematopathology

Chair: **Birgitta Sander, Sweden**

003

Flow cytometric characterisation of adult T-cell leukemia/lymphoma (ATLL) and the associated cytogenetics and next generation sequencing (NGS) findings

Ukuemi Edema, USA

J. Liu, Y. Wang, Y. Shi

004

Primary thyroid lymphoma: a retrospective-observational study of 11 cases

Robert Alexandru Barna, Romania

O. Vita, A. Dema, C. Lazureanu, R. Cornea, D. Brebu, O. Popa, A. Ploeanu, R. Covaci, M. Cornianu

005

Molecular profiling of MYD88 and PIM1 genes in tissue samples from diffuse large B-cell non-Hodgkin's lymphomas – defining element of their evolution and prognosis

Miruna Cristian, Romania

M. Aschie, M. Deacu, C. Branzan, A. Cretu, A. Mitroi, G. Baltatescu, A. Serb, I. Poinareanu

006

T cell lymphoma in bone marrow: morphologic and immunophenotypic study

Hayet Douik, Tunisia

K. Tlili, G. Sahraoui, L. Charfi, I. Abbas, N. Boujelbene, B. Hedhli, I. Nasri, O. Chekir, K. Mrad, R. Doghri

007

Prevalence of Epstein Barr virus in de novo diffuse large B-cell lymphoma NOS in Algeria

Nabila Moulai, Algeria

M. Guerri, R. Bennoui, W. Ouahione

008

The molecular spectrum of anaplastic large cell lymphoma (ALCL) – the wide next-generation sequencing profiling

Anna Szumera-Cieckiewicz, Poland

A. Dansonka-Mieszkowska, J. Poleszczuk, O. Kuczkiewicz-Siemion, K. Kurek, E. Paszkiewicz-Kozik, M. Prochorec-Sobieszek, A. Tysarowski, J. Walewski, G. Rymkiewicz

PS-10

Poster Session

Poster Session Soft Tissue and Bone Pathology

Chair: **Chantal Pauli, Switzerland**

001

Diagnostic utility of h3.3k36m immunostaining in chondroblastomas: a study of 16 cases from a tertiary cancer referral centre in India

Vinayak Dave, India

B. Rekhi

003

Metallic-alloy wear debris after total hip arthroplasty is inducing periprosthetic tissue inflammation on subcellular level

Samo Fokter, Slovenia

R. Podlipec, E. Punzón-Quijorna

004

Extraadrenal soft-tissues Myelolipomas: clinicopathological study of 10 cases

Maria Garcia Martos, Spain

Y. Gómez Navarro, C. Vieru, A. Panizo

PS-10 PS-MD-01

006
Anastomosing haemangioma with unusual location and mimicking malignancy: a case series and literature review

Ezgi Dicle Serbes, Turkey
E. Gedik, S. Yuksel, G. Kaygusuz

007
Three cases of Kaposi sarcoma as initial manifestation of HIV infection and AIDS
Jovan Jevtic, Serbia
L. Simic, R. Janković, S. Rajkovic, G. Djuricic, J. Sopta

008
Pediatric chordomas: report of five cases with emphasis on poorly differentiated subtype and SMARCB1/INI1 deficiency
Zeynep Betül Erdem, Turkey
A. Onenerk Men, S. Tuter, S. Ocak, N. Comunoglu

009
Does MYC-amplification help distinguish primary from radiation-induced angiosarcomas?
Barbara Raposo Pulido, Spain
J. Rodríguez Barbero, F. Camacho Castañeda, A. Ballén Barragán, M. Granados Almilló, J. Morillo Morillo, R. Granados Carreño

010
Usfullnes of novel SS18-SSX and SSX c-terminus antibodies for identification of specific fusion oncoprotein in sarcomas
Theresa Marie Godschachner, Austria
J. Igrec, S. Scheipl, A. Leithner, B. Liegl-Atzwanger, I. Brcic

011
Chordoma: significance and correlation of the localisation, vascular density and Ki67 for the occurrence of chordoma recurrence
Ljubica Simic, Serbia
J. Jevtic, M. Radojevic, D. Ribic, S. Rajkovic, G. Djuricic, D. Ristic, J. Sopta

PS-MD-01 **Poster Session**
Poster Session MD Symposium
Chair: Carina Heydt, Germany

001
EIF1AX mutations in thyroid nodules: analysis of a series of 1095 consecutive cases
Federico Chiarucci, Italy
D. de Biase, A. De Leo, A. Corradini, M. Sirolli, G. Simoncini, A. Orsatti, L. Di Sciascio, T. Maloberti, S. Coluccelli, G. Tallini

003
First steps in molecular classification in endometrial carcinoma: experience in a low income country
Hayet Douik, Tunisia
R. Doghri, G. Sahraoui, M. Ghalleb, M. Rajoua, O. Azaiez, M. Hechiche, M. Kharrat, K. Mrad, L. Charfi

004
Genomic landscape of 63 samples of 29 Hungarian breast cancer patients
Anna Mária Tokés, Hungary
O. Pipek, D. Alpár, O. Ruzs, Z. Udvarnoki, I. Csabai, C. Bődör, L. Madaras, Z. Kahán, B. Kővári, J. Kulka

005
Learnings from two years of external quality assessment (EQA) for BRCA1/BRCA2 testing in metastatic castration-resistant prostate cancer (mCRPC)
Victoria Williams, United Kingdom
J. Fairley, M. Woodcock, M. Cheetham, N. Wolstenholme, Z. Deans, S. Patton

Monday, 5 Sept

▶ Tuesday, 6 September 2022

PS-11 Poster Session

Poster Session Cytopathology

Chairs: **Elena Vigliar**, Italy**Maria Dolores Lozano**, Spain

001

Pancreatobiliary cytopathology: the use of the Papanicolaou Society system in the transition towards a new era of standardised reporting

Matthew Hanks, United Kingdom

G. Aithal, A. Zaitoun

003

Pancreatic neuroendocrine tumours: the shifting scales of lesion classification

Matthew Hanks, United Kingdom

M. Khan, D. Lobo, I. Beckingham, S. Ryder, A. Zaitoun

004

What is the risk of malignancy associated with diagnostic categories of proposed World Health Organization international system for reporting pancreaticobiliary cytopathology?

Berkay Simsek, Turkey

P.U. Göçün, Ö. Ekinci, N. Ekmen, M. Arhan, T. Karakan, M. İbiş, M. Cindoruk

005

Fine needle aspiration biopsy and cytomorphologic spectrum of Hashimoto's thyroiditis

Georgios Kalodimos, Greece

G. Kitsakis, P. Skoufogiannis, G. Tsiouma, A. Feritsean, S. Divani

007

Mediastinal metastases diagnosed by endobronchial ultrasound-guided transbronchial needle aspiration. Beyond lung cancer metastases

Patricia García Abellás, Spain

R. Meléndez Gispert, A. Ferrer Gómez, A. Caminoa-Lizarralde Aiza, A. Benito Berlinches

008

Programmed Death Ligand 1 (PD-L1) expression in fine needle aspiration cell blocks of head and neck squamous cell carcinoma and its cytohistological concordance

Si Kei Lou, Canada

H. Ruff, C. Cheung

009

Association of high-risk HPV strains other than 16 and 18 with progression from atypical squamous cells of undetermined significance to worse abnormal cervico-vaginal cytology over a 5 year period: results from a single academic institution

Tamara Giordadze, USA

A. Grover, M. Ratiani, C. Onyenekwu, M. Molina, P. Jain

010

Atypical urothelial cells: two-year-experience with the Paris system for reporting urinary cytology in tertiary care centre pathology

Ivana Kholova, Finland

E. Pöyry, V. Nykänen, E. Viljanen, J. Pulkkinen, M. Laurila

011

Fine needle aspiration biopsy of pilomatricoma (Cytological features of 6 cases histologically approved)

Senay Erdogan-Durmus, Turkey

B. Guzelbey

012

Metastases of extrapulmonary malignancies in mediastinal lymph nodes sampled by Endobronchial ultrasound-guided transbronchial needle aspiration

Senay Erdogan-Durmus, Turkey

A. Goktas, Z. Erdem

013

Standardization of p16/ki-67 immunocytochemistry in conventional cervical cytology for detection of high-grade cervical squamous intraepithelial lesion

Ines Benedetti, Colombia

A. Pineda, L. Barrios

014

Secondary thyroid tumours in fine needle aspiration cytology: Finding the black cat in a coal cellar!

Immanuel Paul Thayakaran, India
T. Patel

015

Pathologist-performed palpation-guided fine needle aspiration cytology of head and neck masses including oral lesions: impact on sample adequacy and the importance of obtaining cell blocks for diagnostic accuracy

Melis Erdal, Turkey
F. Aker, Z. Özcan

016

Evaluation of a cytomorphology-molecular co-test of urine in bladder cancer patients

Maria Stratakis, Greece
E. Thodou, C. Apostolopoulou, V. Tzortzis, L. Mitrakas, R. Papamichali, K. Zacharouli, E. Panteliadou, M. Ioannou, M. Samara

017

Cytological rapid on site evaluation in pulmonary biopsies: optimizing material and accelerating diagnosis

Cecilia Perelló Fabregat, Spain
F. Andreo García, E. Calvo Serrano, J. Pagès Barón, A. Castillo Gandía, J. García-Gómez, P. Serra Mitjà, A. Solís Solís, M. Ávila Terzi

018

Clinical trial: a new method for preparing cell blocks from paucicellular aspirates

Ovidiu Pop, Romania
C. Sanda, A. Stefan, D. Gologan, S. Musat, M. Leavitt, A. Jakob

019

Cervical atrophy as a pitfall for cytological diagnosis: a 5-year study from a tertiary center in Lisbon

Mafalda Pinho, Portugal
R. Moiteiro da Cruz, T. André Sousa Oliveira, J. Boavida, R. Luís

020

Added value of cell block over liquid-based cytology alone in the diagnosis of non-necrotizing lymphadenopathy on endoscopic ultrasound-guided-transbronchial needle aspiration of mediastinal lymph nodes for sarcoidosis investigation

Chiara Saglietti, Switzerland
E. Hewer

021

Random rescreening 10% of negative cervicovaginal smears: method for quality assurance

Ferhat Ozden, Turkey

022

HPV-based opportunistic cervical cancer screening in Barcelona. Preliminary results in >30 year old women

Joan Lop Gros, Spain
B. Lloveras, G. Bosch, A. Quiñero, L. Serrano, A. Buron, M. Agüero, J. Solé

023

Malignancy rate of atypia of undetermined significance/follicular lesion of undetermined significance in thyroid FNAs in Greater Vancouver, Canada

Reza Alaghebandan, Canada
J. Esmaeeli, T. Salisbury, L. Ali, S. Koonmee, O. Ondic, R. Bhan, K. Pivovarcikova, A. Gurung

024

Liquid-based cytology in the detection of premalignant lesions in patients with "Atypia in Squamous Cells" in conventional cytology

Ines Benedetti, Colombia
Y. Vizcaino, L. Barrios

025

Applicability of the Sydney System and touch imprint cytology methodology in lymph node samples obtained by EBUS-TBNA. Three years of experience and 402 cases

Mario Berrios-Hernández, Spain
H. Torres-Rivas, L. Fernández Fernández, M. Rubiera, M. González-Gutiérrez, C. Fuente-Díaz, J. Pérez-Fontán, N. Zapico Ortiz, M. Ariza Protá, A. Dávila Lemos, M. Gil Muñiz, R. López González, J. Serrano Ortiz, K. Villar Zarra

PS-12 Poster Session

Poster Session Dermatopathology

Chair: **Vasileia Damaskou**, Greece

001

Cutaneous metastases from non-primary skin tumours

Iraide Bernal Simón, Spain

Y. Rodríguez Velandia, N. Segués Merino,

M. Juaristi Abaunz, M. Silva Carmona

002

Acute generalised exanthematous pustulosis and generalised pustular psoriasis: differential diagnosis in the report of 2 cases

Carlos Faria, Portugal

J. Madeira, B. Sepodes, A. Alves,

O. Tellechea, J. Cardoso

003

Basal cell carcinoma with trichogermioma-like areas, a morphological and immunohistochemical study in a series of three cases

Faris Kubba, United Kingdom

I. Logan

004

The value of peritumoral lymphocyte infiltration in progression free survival in BRAF and NRAS mutant stage I and II melanoma: a retrospective cohort study

Tatjana Zablocka, Latvia

V. Kreger, S. Savcenko, L. Sulca,

M. Kreismane, D. Pjanova, S. Isajevs

005

Clinicopathologic characteristics of BRAF V600K mutant malignant melanoma in comparison with V600E mutant cases: a preliminary study

Göksenil Bülbül, Turkey

A. Ağalar, E. Yumuk, S. Cagaptay,

H. Ellidokuz, B. Lebe

006

The clinicopathologic features of dysplastic nevus with severe cytologic atypia: single center experience

Yasemin Cakir, Turkey

B. Lebe

007

Expression of IL-22 in tissue specimens of mycosis fungoides is associated with the involvement of FOXP3+ cells and neutrophils in the microenvironment

Antonia Syrnioti, Greece

E. Georgiou, D. Dimitriadis, D. Papathemeli,

A. Patsatsi, T. Koletsa

008

Dermatomyofibroma: a series of five cases

José Manuel Suárez Peñaranda, Spain

C. Buján Bonino

009

GATA3 evaluation on primary cutaneous CD30-positive lymphoproliferative disorders and its mimics

Alexandra Vilaia, Romania

A. Cioroianu, M. Busca, G. Turcu, A. Cernat,

C. Dumitru, S. Zurac

010

NTRK fusion in pigmented spindle cell nevus/Reed nevus: an immunohistochemical study on a large multicentric Italian cohort

Caterina Ravaioli, Italy

F. Ambrosi, M. Lambertini, B. Corti,

M. Fiorentino, G. Tallini, D. de Biase, E. Dika,

C. Ricci

011

Approaching the cellular origin of Merkel cell polyomavirus (MCPyV) associated Merkel cell carcinomas: effects of MCPyV Gene expression in epithelial and lymphoid cells

Amanda Macamo, The Netherlands

D. Liu, M. Färber, F. Borman, E. Speel,

V. Winnepenningcx, F. Klufah,

E. Chteinberg, A. zur Hausen

012

Micromorphometric parameters of B16 melanoma cells and their circadian

Sergei Timofeev, Russia

Y. Kirillov, A. Borisov, M. Kozlova,

L. Makartseva, E. Rusina, D. Areshidze

- PS-12

PS-13
- 013

Detection of clonal T cell receptor gamma gene rearrangements in mycosis fungoides
Khouloud Ben Lazreg, Tunisia
S. Ben Cheikh, R. Jouini, S. Klai, F. Khanchel, I. Helal, R. Hedhli, E. Ben Brahim, H. Hammami, S. Fenniche, A. Chadli
- 014

Histopathologic features of mycosis fungoides: a morphologic study on 134 biopsy specimens from 56 patients
Khouloud Ben Lazreg, Tunisia
S. Ben Cheikh, R. Jouini, I. Helal, F. Khanchel, R. Hedhli, O. Khayat, H. Hammami, S. Fenniche, E. Ben Brahim, A. Chadli
- 015

Immunohistochemical staining for p16 is a useful adjunctive test in the diagnosis of Bowen's disease
Sirine Elfekih, Tunisia
F. Khanchel, H. Hammami, I. Helal, R. Hedhli, E. Ben Brahim, R. Jouini, A. Chadli
- 016

Eccrine porocarcinoma: a clinicopathological study of 8 cases
Sirine Ben Cheikh, Tunisia
O. Belkacem, L. Belaïd, S. Frini, A. Baccouche, A. Bdioui, L. Jaidane
- 002

Utility of intraoperative pathology consultations during pancreatic surgery and impact on final margin status: a single institution analysis
Niloofer Sina, Canada
E. Olkhov-Mitsel, L. Sun, P. Roopchand, C. Rowsell, T. Truong
- 003

Central histopathology review of hepatocellular carcinoma: impact of the WHO 2019 classification on histological diagnosis and TNM staging
Dimitrios Bouklas, Greece
K. Dimopoulou, D. Myoteri, J. Kontis, P. Lykoudis, C. Nastos, G. Fragulidis, A. Vezakis, D. Dellaportas, M. Konstantoulakis, N. Arkadopoulos, D. Tiniakos
- 004

The site of metastatic lymph node has prognostic significance in pancreatic ductal adenocarcinoma
Sumru Cagaptay, Turkey
A. Ağalar, C. Agalar, T. Egeli, M. Ozbilgin, T. Unek, T. Unek, Ö. Sağol
- 005

Ground-glass change: think beyond chronic hepatitis B infection
Filipa Pereira, Portugal
J. Gama, R. Oliveira, M. Silva, M. Andrade, M. Cipriano
- 006

The influence of pancreatic regression characteristics on outcome of neoadjuvant treated pancreatic cancer in two Austrian university centers
Bettina Neumayer, Austria
D. Neureiter, E. Klieser, F. Huemer, L. Weiss, R. Greil, A. Djanani, G. Oberhuber, K. Schlick
- 007

Comprehensive histologic evaluation of venous invasion in pancreatic neuroendocrine carcinomas
Youngeun Yoo, Republic of Korea
S. Hong, S. Lee
- 008

Influence of constant lighting on liver
Sergei Timofeev, Russia
Y. Kirillov, M. Kozlova, L. Makartseva, D. Areshidze
- PS-13

Poster Session
- Poster Session Digestive Diseases

Pathology – Liver/Pancreas

Chair: **Carolyn Lackner, Austria**
- 001

Treatment with activin receptor-like kinase 5 inhibitor (ALK5i) differently affects collagen 1A1 deposition in mouse models of toxic and metabolically induced liver fibrosis
Maja Antolic, Croatia
O. Majstorović, V. Milutinović, S. Vidović Iviš, A. Ognjenović, A. Paravić Radičević, I. Glojnaric, S. Čužić

009

Prognostic implication of leptin-signaling proteins, PD-L1 and tumour-infiltrating lymphocytes in surgically-resected biliary tract cancers

Mee Soo Chang, Republic of Korea
S. Byeon, H. Cho, J. Park

010

Venous invasion of undifferentiated carcinoma and undifferentiated carcinoma with osteoclast-like giant cells of the pancreas

Jinho Shin, Republic of Korea
S. Lee, J. Shin, P. Mattiolo, C. Luchini, S. Hong

011

Ex vivo patient-derived pancreatic cancer organoids to uncover individual therapeutic vulnerabilities and model acquired resistance

Sabrina Steiner, Switzerland
A. Pliego, M. Haberecker, F. Arnold, D. Lenggenhager, C. Pauli

PS-14

Poster Session

Poster Session Endocrine Pathology

Chair: **Esther Diana Rossi**, Italy

001

Molecular pathological characteristics of benign thyroid nodules with poorly differentiated component

Mayu Ueda, Japan
K. Matsuda, H. Kurohama, Z. Mussazhanova, Y. Sailaubekova, H. Kondo, Y. Matsuoka, C. Otsubo, S. Sato, H. Yamashita, A. Kawakami, M. Nakashima

002

Histology of distant follicular cell-derived thyroid carcinomas metastases can be misleading to identify the primary tumour

María Amanda Rodríguez Villena, Spain
N. Cadavid Fernández, A. Tenelanda Santillán, E. Moreno Moreno, I. González García, M. Rosas Hernández, H. Pian, I. Ruz Caracuel

Trainees' Assembly

Wednesday, 7 September 2022

13:15 – 14:00 · Osaka/Samarkand

PS-14
PS-15

004

Peculiar facets of medullary thyroid carcinoma

Simona Eliza Giusca, Romania
C. Andriescu, I. Caruntu, L. Lozaneanu, D. Ciobanu-Apostol

005

Non-syndromic familial non-medullary thyroid carcinoma in the area of Santiago de Compostela (northwest Spain)

Jose Manuel Cameselle Teijeiro, Spain
C. Beiras-Sarasquete, I. Abdulkader-Nallib, M. Sánchez-Ares, M. Piso-Neira, G. Rodríguez-Carnero, V. Pubul-Núñez, J. Puñal Rodríguez

006

The incidence trend of non-invasive follicular thyroid neoplasm with papillary-like nuclear features (NIFTP) in Mures county, Romania, five years after the introduction of this new entity: a retrospective cohort study

Diana Paula Burlacu, Romania
A. Nechifor- Boila, E. Szasz, R. Catana, A. Borda

007

A 20-year retrospective analysis of adrenal tumour pathology in Mureş County, Romania. What has changed?

Ramona Catana, Romania
E. Szasz, A. Nechifor- Boila, A. Borda

008

Evaluating proliferation in medullary thyroid carcinoma

Mohamed Amine Bani, France
M. Faron, C. Kanaan, P. Khneisser, L. Lacroix, L. Lamartina, J. Hadoux, D. Hartl, X. Sastre-garau, E. Baudin, J. Scoazec, A. Al Ghuzlan

009

Neuroendocrine metastasis in the digestive system

Asma Fitouri, France
M. Bani, P. Dartigues, C. Kanaan, G. Tomassic, J. Scoazec

010

Different patterns of prostate specific membranous antigen expression in tumour-associated neovasculatur among neuroendocrine neoplasms of GI-tract – an immunohistochemical study targeted on its theranostic use

Vanessa Wild, Germany
K. Mielert, S. Roth, A. Rosenwald, R. Werner, A. Meining, A. Weich

PS-15 Poster Session

Poster Session Molecular Pathology

*Chairs: Caterina Marchiò, Italy
Renate Kain, Austria*

001

Digimir test: a novel pipeline for mir-371a-3p quantification using droplet digital PCR in liquid biopsies of testicular germ cell tumour patients

João Lobo, Portugal
J. Sequeira, V. Constâncio, T. Brito-Rocha, C. Carvalho-Maia, I. Braga, J. Mauricio, R. Henrique, C. Jerónimo

002

Differential gene expression of nystagmus-associated genes in chronic traumatic encephalopathy, Parkinson's disease, and Alzheimer's disease

Francia Victoria De Los Reyes, Philippines

003

Determination of Ly6E and Ly6K gene expression levels in soft tissue tumours and investigation of their correlation of these levels with tumour aggression

Çigdem Yildirim, Turkey
T. Kökenek Ünal, O. Kandemir

004

Setting up an ultra-fast next-generation sequencing approach as a reflex testing at diagnosis in non-squamous non-small cell lung cancer

Christophe Bontoux, France
S. Heeke, V. Hofman, L. Virginie, B. Olivier, S. Lassalle, E. Long-Mira, S. Lavée, V. Tanga, M. Allégra, M. Salah, J. Benzaquen, C. Marquette, M. Ilié, P. Hofman

Tuesday, 6 Sept

005

KRAS mutations in 1355 Italian patients with lung adenocarcinoma

Panagiotis Paliogiannis, Italy

R. Lobjano, M. Colombino, M. Sini, A. Fara, M. Fedeli, G. Palmieri, A. Cossu

006

Increased expression of the CST2 gene is associated with lymphatic dissemination of prostate cancer

Vladislav Pavlov, Russia

E. Pudova, A. Kobelyatskaya, A. Snezhkina, I. Katunina, K. Nyushko, D. Kalinin, K. Sergey, M. Fedorova, G. Krasnov, A. Kudryavtseva

007

NTRK fusion genes in cholangiocarcinoma

Tiina Vesterinen, Finland

S. Boyd, S. Kytölä, J. Arola

008

Analysis of PINK1 immunoexpression in primary lung adenocarcinomas revealed a group of patients with a poorer prognosis

Ivan Fernandez Vega, Spain

D. Corte-Torres, A. Vallina, J. Celis Pinto, M. Rubiera, S. Fernández Menéndez, K. Piña Batista

009

Analysis of p62 immunoexpression in metastatic samples of lung adenocarcinomas to the brain revealed a group of patients with a poorer prognosis

Ivan Fernandez Vega, Spain

D. Corte-Torres, A. Vallina, J. Celis Pinto, M. Rubiera, S. Fernández Menéndez, K. Piña Batista

010

NGS-based molecular profiling and liquid biopsies: an assessment of pathologists and oncologists knowledge and attitudes

Nabil Dorkhom, The Netherlands

D. Middleton, T. Abair, A. Vingiani, G. Pruneri

011

Study of gene expression by in situ hybridization in tissues with prostate adenocarcinoma routinely processed

Ines Benedetti, Colombia

L. Barrios

012

Arylsulfatase B gene expression profile in colorectal cancer

Zsolt Kovacs, Romania

I. Jung, R. Stefan-Van Staden, A. Patrichi, S. Gurzu

013

The spectrum of gene fusions in primary epithelial ovarian tumours identified by panel RNA NGS approach

Ivana Stružinská, Czech Republic

M. Flídrová, J. Galko, R. Jakša, K. Němejcová, M. Bártů, Q. Bui, J. Hojný, P. Dundr

014

Development of a murine-model of oral carcinogenesis: a rapid tool for biomarker and anti-tumour drug discovery

Sofia Ali Syed, Pakistan

M. Qureshi, S. Khan, R. Kumar, Y. Shafique, B. Khan, J. Safdar

015

The effect of mitochondrial energy metabolism modulators on cytotoxicity of cisplatin and pemetrexed in mesothelioma

Suncana Sikiric, Croatia

A. Šepac, F. Sedlič, S. Seiwert

016

The clinical significance of epigenetic and RNAPII variabilities occurring in clear cell renal cell carcinoma as a potential prognostic marker

Tibor Pankotai, Hungary

N. Ördög, B. Borsos, H. Majoros, Z. Ujfaludi, L. Kuthi, G. Pankotai-Bodo, S. Bankó, F. Sükösd

017

Long non-coding RNA H19 expression in rectal cancer and therapy response

Katarina Eric, Serbia

M. Miladinov, S. Dragicevic, J. Rosic, Z. Krivokapic, K. Zeljc

019

BRG1-deficient non-small cell lung carcinomas. Clinicopathologic characteristics and correlation with SMARCA4 mutations

Victor Pedrero, Spain

V. Cristóbal Redondo, A. Francia García-Calvo, C. Alenda González, F. Aranda López

021

Proof of concepts for automated extraction of mutation status from narrative pathology reports: KRAS G12C mutations and NTRK fusions in non-squamous non-small cell lung cancer

Vincent De Jager, *The Netherlands*
B. Cajiao Garcia, B. Koopman, V. Stangenberger, R. Rijnders, R. de Valk, E. Schuurin, S. Willems, L. van Kempen

022

KRAS-G12C mutation in non-small cell lung cancer: prevalence and prognostic significance

Víctor Cristóbal Redondo, *Spain*
V. Pedrero, D. Parra Trujillo, C. Alenda González, F. Aranda López

023

Genomic profile of primary non-small cell lung cancer and matched mediastinal lymph nodes by next-generation sequencing: a pilot study

Leila Antonangelo, *Brazil*
C. Faria, R. Terra, E. do Nascimento, E. de Mello, F. Mangone, M. Nagai, M. Agati, V. Capelozzi

024

Concordance between FISH and NGS in detecting t(11;14) status in patients with multiple myeloma

Raphael Thiebaut, *France*
H. Avet-Loiseau, X. Li, J. Ross, C. Hader

025

Stability of t(11;14) status by FISH between diagnosis and relapse in patients with multiple myeloma

Jeremy Ross, *USA*
H. Avet-Loiseau, R. Thiebaut, X. Li, C. Hader

026

The frequency of EGFR mutations of non-small cell lung carcinomas in the east Black Sea region of Turkey

Zeynep Sagnak Yilmaz, *Turkey*
Z. Turkmen Usta, S. Aydin Mungan, S. Ersoz

027

Tumour PD-L1 expression and molecular profiling are not associated with immune checkpoint inhibitor-induced thyroid dysfunction in advanced non small cell lung cancer (NSCLC) Patients

Tzahi Neuman, *Israel*
G. Vainer, A. Horesh

028

Identification of Maml1 as a novel negative regulator of Itch E3 ubiquitin ligase activity: new insights in cancer biology

Sabrina Zema, *Italy*
M. Pelullo, A. Montalti, M. De Carolis, A. Villari, I. Screpanti, D. Bellavia

029

Characterising the cellular architecture of the tumour microenvironment using imaging mass cytometry and digital image analysis with the HALO® and HALO AI™ platform

Ghislaine Lioux, *USA*
K. Collins, N. Carmell

030

Genomic landscape analysis of ERBB3-mutated human cancers reveals common co-occurrence with activating ERBB2 alterations

Igor Odintsov, *USA*
R. Somwar, M. Ladanyi

031

Mir-9 and their putative targets expression in prostate cancer

Ines Benedetti, *Colombia*
L. Barrios, J. Rebollo

PS-16

Poster Session

Poster Session Pulmonary Pathology

Chair: **Katrien Grünberg**, *The Netherlands*

001

Clinicopathological features of primary pulmonary Hodgkin lymphoma: a multicenter study and literature review of 110 cases

Hera Jung, *Republic of Korea*
T. Lee

002

Five-year experience of evaluation of PD-L1 expression on advanced non-small cell lung carcinoma – single centre study

Jelena Stojic, *Serbia*

003

Role of microRNAs miR-193b, miR-7, miR-25 and miR-301a as potential diagnostic marker in non small cell lung cancer (NSCLC)

Narendra Krishnani, India

N. Kumari, H. Baranwal, S. Singh, A. Nath

004

Alveolar adenoma-clinicopathological characteristics of four cases

Aleksandra Lovrenski, Serbia

N. Gardic, D. Tegeltija, T. Lakić

005

Is imprint cytology an efficient alternative to traditional frozen section in intraoperative diagnosis of lung adenocarcinoma?

Aleksandra Lovrenski, Serbia

N. Gardic, D. Tegeltija

006

Pulmonary adenofibroma: a clinicopathological analysis of a case series

Coca Mihaela Vieru, Spain

Y. Gómez Navarro, T. Labiano Miravalles,

A. Panizo, M. Garcia Martos

007

Use of insulinoma-associated protein 1 in small biopsy samples of small cell lung carcinoma (SCLC)

Sofija Glumac, Serbia

M. Jovanovic, R. Janković, S. Popevic,

M. Stjepanovic, B. Dozic

009

Clinicopathologic and molecular characteristics in ERBB2 (HER2)-altered non-small cell lung cancer

Yurimi Lee, Republic of Korea

B. Lee, Y. Choi

010

A single-institution experience of pulmonary sarcomatoid carcinoma

Omar Mnif, Tunisia

R. Ayadi, E. Braham, M. Mlika, A. Rais,

O. Ismail, A. Ayadi, F. El Mezni

011

Complexity of screening methods for gene fusions in molecular pathology labs

Lina Carvalho, Portugal

M. Silva, A. Alarcão, A. Ladeirinha,

T. Ferreira, A. Rodrigues, C. Vilasboas,

V. Sousa

012

A multicentric Portuguese study for the assessment of PD-L1 score in NSCLC using 22C3 and SP263 clones on Ventana's platform: a stepping stone for the IVDR legislation landscape?

Vitor Sousa, Portugal

A. Luis, A. Ribeiro, C. Souto de Moura,

I. Rolim, A. Cunha, C. Quintana, C. Eloy,

E. Pinto, F. Cunha, J. Correia-Pinto,

L. Carvalho, J. Vizcaíno, C. Coelho, F. Ferreira

Carlos, P. Borralho

013

Histopathologic patterns in brain metastases of lung adenocarcinoma: does it affect the survival?

Ismail Guzelis, Turkey

L. D. Micoogullari, E. Cakir, F. Cakalagaoglu,

A. Kahraman

014

Regional variability and prognostic value of tumor budding in pulmonary squamous cell carcinoma

Marie Maillard, Switzerland

C. Nepl, J. Anex, P. Zens, S. Peters,

T. Krueger, S. Berezowska

015

Another retrospective study to throw more light on prognostic implications of STAS (tumour spread through air spaces) in lung adenocarcinoma

Samuel López-Muñoz, Spain

L. Gutiérrez-Sainz, I. Losantos-García,

P. Cruz-Castellanos, O. Higuera, J. de

Castro-Carpeño, M. Esteban-Rodriguez

PS-17

Poster Session

Poster Session Thymic and Mediastinal Pathology

Chair: **Mirella Marino**, Italy

001

Mature teratoma in the anterior mediastinum: a retrospective study of 34 cases

Omar Mnif, Tunisia

R. Ayadi, E. Braham, M. Mlika, A. Rais,

O. Ismail, A. Ayadi, F. El Mezni

► Wednesday, 7 September 2022

PS-18 Poster Session

Poster Session Autopsy Pathology

Chair: **Gheorghe-Emilian Olteanu**, Romania

001

Coinfection of HIV and COVID-19

Vsevolod Zinserling, Russia

002

Clinical and pathological data analysis in 73 deceased patients with previous SARS-CoV-2-associated pneumonia during convalescence period

Liudmila Mikhaleva, Russia

A. Kontorshchikov, V. Olesya, K. Maslenkina

003

Splenic metastases in forensic pathology

Cornelia Amalinei, Romania

A. Grigoras, L. Lozneau, R. Balan,

D. Ciobanu-Apostol

004

Lung COVID-19 infection – morphological spectrum and mortality-related risk factors

Cornelia Amalinei, Romania

L. Riscanu, D. Bulgaru Iliescu, A. Grigoras

005

Morphological peculiarities of liver in patients died of Coronavirus disease: a series of autopsy reports

Vitaliy Gargin, Ukraine

T. Bocharova, A. Bondarenko, V. Sakal

006

Paraneoplastic syndromes associated with cancers of unknown primary

Ákos Jakab, Hungary

I. Kocsmár, A. Kiss, Z. Schaff, R. Istók,

G. Lotz, É. Kocsmár

PS-19 Poster Session

Poster Session Cardiovascular Pathology

Chair: **Katarzyna Michaud**, Switzerland

001

Morphometric analysis of aortic wall main components depending on age

Iancu Emil Plesea, Romania

M. Serbanescu, M. Albu, D. Seicaru,

F. Gherghiceanu, F. Giuroiu, P. Chiriac,

O. Mirea, R. Plesea

002

An etiological approach to a regional sudden death series

Rosa Henriques De Gouveia, Portugal

M. Carrington, F. Corte Real, L. Gonçalves,

R. Providência

003

Study of morphological patterns of acute cellular rejection (ACR) reactions in endomyocardial biopsies (EMBs)

Milda Kupryte, Lithuania

E. Gosselin, L. Poškienė

004

Primary heart tumours, a single-center, and 11 years of experience

Erva Bengu Balaban, Turkey

M. Çikrikçioğlu, H. Kuplay, F. Aker

005

Stereological estimation of myocardial fat and its relation to obesity, epicardial and visceral adipose tissue

Pernille Holm, Denmark

L. Hindsø, K. Olsen, J. Banner

006

SET7 methyltransferase mediates the up-regulation of NADPH oxidase

expression and oxidative stress in the atherosclerotic aorta of apolipoprotein

E-deficient mice

Adrian Manea, Romania

M. Vlad, A. Lazar, S. Manea

007

Histological analysis of arteriovenous fistula specimens created for hemodialysis

Emoke Horvath, Romania

R. Kaller, B. Suciu, V. Mureşan, M. Jakab,

E. Arbanasi

008

Primary heart tumours: a Portuguese case series

Vânia Almeida, Portugal

G. Fontinha, B. Sepodes, J. Gama, V. Sousa, L. Carvalho

009

Morphometric analysis of arterial wall main components densities depending on the patient's cause of death

Iancu Emil Plesea, Romania

M. Serbanescu, D. Seicaru, M. Albu, F. Gherghiceanu, I. Avramescu, F. Giuroiu, O. Mirea, R. Plesea

PS-20

Poster Session

Poster Session Electron Microscopy

Chair: **Dolores Naranjo Hans**, Spain

001

Why do some uncemented porous tantalum total knee replacement fail?

Samo Fokter, Slovenia

T. Bujas, Ž. Ledinek, J. Zajc, N. Gubelj, E. Punzón-Quijorna

002

Characterisation of primary cilium by an ultrastructural study in actinic keratosis and squamous cell carcinoma

Alicia Sanz Zorrilla, Spain

F. Leiva-Cepas, M. Gálvez Medina, R. Ortega Salas, I. Cantarero Carmona

PS-21

Poster Session

Poster Session History of Pathology

Chair: **Rosa Helena Henriques De Gouveia**, Portugal

001

Epidemics in an Atlantic Archipelago

Rosa Henriques De Gouveia, Portugal

I. Álvares Furtado

002

Smallpox and skin models

Rosa Henriques De Gouveia, Portugal

T. Ferreira, V. Sousa, L. Carvalho

003

Pathology archives and applicability of immunohistochemistry – 40 years old myocardial infarction samples

Lina Carvalho, Portugal

C. Vilasboas, V. Almeida, A. Ladeirinha, A. Rodrigues, A. Alarcão, M. Silva, T. Ferreira, R. Almeida, R. Henriques De Gouveia, V. Sousa

PS-22

Poster Session

Poster Session Infectious Diseases

Pathology

Chair: **Gregor Gorkiewicz**, Austria

001

COVID-19 pathology in cases of co-morbidity with malignant tumours

Olga Reshetnikova, Russia

S. Korenev, A. Ermakov, L. Rudiuk, S. Morozov

002

Mast cells induce fibrosis and thrombosis in lung tissue samples of patients infected with SARS-CoV-2 virus

Boaz Lopuhaä, The Netherlands

L. Wismans, W. De Koning, H. Moeniralam, M. Van Oosterhout, T. Kuiken, R. Endeman, D. Mustafa, J. von der Thüsen

PS-23

Poster Session

Poster Session Neuropathology

Chair: **Stephan Frank**, Switzerland

001

Expression of LAMP2A, LC3B, and HSP70 autophagy biomarkers in different brain structures during aging

Alina Magnaeva, Russia

T. Baranich, A. Gofman, D. Voronkov, V. Sukhorukov

002

Prognosis and outcome of patients with haemangioblastoma based on histopathological features: experience of a tertiary center

Julio Osuna Soto, Spain

F. Leiva-Cepas, M. Gálvez Medina, I. Sánchez Ramírez, R. Ortega Salas

PS-23
PS-24

003
Retrospective multicentric study of patients with histopathological rhabdoid meningioma features
Alejandro Pasco Peña, Spain
M. Zelaya, M. Caballero, M. Gonzalez-Tablas, A. Otero, J. Ortiz, M. Ludeña, M. Tabernero

004
Grade 2 meningiomas: a retrospective study of 30 cases at a single institution
Manel Mellouli, Tunisia
S. Graja, F. Kolsi, m. Triki, N. Gouiaa, T. Boudawara, R. Kallel

005
Epidemiologic profil of primary cerebellar tumour in the south of Tunisia
Manel Mellouli, Tunisia
S. Graja, F. Kolsi, m. Triki, S. Charfi, C. Kammoun, T. Boudawara, M. Manai

006
Analysis of the procedure for extracting, sending and receiving the muscle biopsy. Knowledge, attitudes and practices of the professionals involved
Fernando Leiva-Cepas, Spain
J. Osuna Soto, M. Gálvez Medina, I. Sánchez Ramírez, J. Cámara Pérez

007
Clinicopathological characterisation and molecular profiling of H3 G34-mutant high-grade gliomas in paediatric and young adult patients
Zita Reisz, United Kingdom
J. Lavrador, N. Sibtain, K. Rajvani, R. Bhangoo, C. Bleil, B. Zebian, K. Ashkan, S. Nevis, L. Bhaw, R. Laxton, A. Afshari-Mehr, A. King, I. Bodi, S. Al-Sarraj

008
The role of AKT in prognosis of breast cancer brain metastases
João Gama, Portugal
R. Oliveira, C. Abrantes, P. Teixeira, F. Silva, P. Figueiredo, O. Rebelo, M. Cipriano

009
Choroid plexus tumours: clinicopathological analysis of 10 cases
Meriam Alaya, Tunisia
A. Zehani, B. Chelly, A. Ayari, H. Azouz, I. Chelly, K. Bellil, S. Haouet

010
Hydatid cysts of the nervous cerebral system, an unusual location: about 9 cases
Meriam Alaya, Tunisia
H. Azouz, A. Ayari, B. Chelly, A. Zehani, I. Chelly, K. Bellil, S. Haouet

PS-24 **Poster Session**
Poster Session Other Topics
Chair: Zsuzsanna Varga, Switzerland

001
Group work in the annotation of virtual pathological slides
Dragan Jovanovic, USA

002
Level of IgG to glu-plasminogen in blood plasma as marker of breast cancer
Polina Veshnyakova, Russia
E. Goufman, N. Tikhonova, A. Alexankin, M. Boltovskaya, N. Nizyaeva, L. Mikhaleva

003
Formalin-fixed, paraffin-embedded (FFPE) block stability using PD-L1 IHC 22C3 pharmDx
Charlotte Roach, USA

004
Direct scanning of selected FFPE blocks to reduce workflow costs of routine FFPE controls in histopathology
Folkert Van Kemenade, The Netherlands
A. Nguyen, M. Algoe, J. Giang, J. Van Brakel, M. Nap

005
Audit of pathology quality assurance programmes: assessing efficacy and workload
Donna O'Dwyer, United Kingdom
M. Agarwal

006
Extrapulmonary POU2F3-positive small cell carcinoma is associated with variable neuroendocrine marker expression and gallbladder location
Mann Hua Nam, Taiwan
C. Chen, Y. Zhang, J. Lee, Y. Kao

Wednesday, 7 Sept

007

Influence of tobacco cigarettes on the oral mucosa

Vitaliy Gargin, Ukraine

R. Nazaryan, L. Kryvenko, Y. Zakut,
T. Popova

008

Prevalence of vessels encapsulating tumour clusters (VETC) in human cancers

Salvatore Lorenzo Renne, Italy

R. Akpinar, M. Coto-Llerena, L. Terracciano,
L. Di Tommaso, S. Piscuoglio

009

FABP1 expression in human tumours: a tissue microarray study on 17,071 tumours

Till Sebastian Clauditz, Germany

D. Dum, C. Bernreuther, A. Luebke,
V. Reiswich, R. Simon, D. Höflmayer,
A. Marx, S. Minner, T. Krech

010

The impact of display variability in digital pathology

Johan Rostang, France

B. Diricx, J. De Vylder, T. Bisson, R. Carvalho,
M. Franz, P. Hufnagl, T. Kimpe, N. Zerbe

PS-25

Poster Session

Poster Session Pathology in Favour of Developing Countries

Chair: **Maurizio Martini**, Italy

001

Postmortem ultrasound estimation of foetal gestational age by transcerebellar diameter and cerebellar vermis height

Natalia Rakislova, Spain

L. Garcia-Otero, G. Arca, L. Marimon,
R. Gonzalez, F. Pérez, N. Carreras-Diequez,
J. Ordi, C. Menéndez

PS-26

Poster Session

Poster Session Uro pathology

Chairs: **Pilar Gonzalez Peramato**, Spain

Dilek Ertoy Baydar, Turkey

Simone Bertz, Germany

001

The morphological spectrum and molecular features of somatic malignant transformation in germ cell tumours

João Lobo, Portugal

Á. Rodrigues, R. Henrique, A. Christiansen,
J. Beyer, H. Moch, P. Bode

002

Eosinophilic solid and cystic renal cell carcinoma and renal cell carcinomas with TFEB alterations: a comparative study

João Lobo, Portugal

M. Rechsteiner, B. Helmchen, N. Rupp,
A. Weber, H. Moch

003

Reliability of histological subtyping of penile squamous cell carcinoma in assessing HPV tumour status

Luiza Dorofte, Sweden

S. Davidsson, G. Lillsunde Larsson,
M. Karlsson

004

Benign clear cell clusters in non-tumoural nephrectomy specimens

Marta Conde Ferreira, Spain

J. Dominguez de Dios, A. Bellas Pereira,
C. Fachal Bermúdez, P. Sanmiguel Fraile,
C. Gómez de María, I. Antón Badiola,
J. González-Carrero Fojón, J. Ortiz Rey

006

B7-H3 immune checkpoint molecule in prostate cancer

Chara Ntala, United Kingdom

J. Salmond, A. Blomme, I. Ahmad, H. Leung

007

GATA-3 is a useful immunohistochemical marker to identify periprosthetic paraganglia

Jorge Gómez Trashorras, Spain

M. Betancor Santos, M. Conde Ferreira,
S. Abdulkader Sande, A. Bellas Pereira,
P. San Miguel Fraile, J. González-Carrero Fojón, J. Ortiz Rey

008

Prognostic value of tumour budding in urinary tract cancer: a meta-analysis

Ruoyu Shi, *Singapore*

M. Tan, G. Lim, L. Zeng, P. Tan

009

Enhanced TOLLIP expression confers poor prognosis in renal cell carcinoma

Adam Kowalewski, *Poland*

D. Jaworski, J. Borowczak, M. Maniewski, P. Antosik, J. Durślewicz, M. Smolińska, D. Grzanka, Ł. Szyłberg

010

Role of epithelial-mesenchymal transition in clear cell renal cell carcinoma

Jera Jeruc, *Slovenia*

T. Čugura, S. Uhan, N. Zidar, E. Boštjančič

011

Spontaneous regression – scars of testicular germ cell tumours: association with clinicopathological features – institutional experience

Bojana Jovanovic, *Serbia*

B. Kovačević, I. Nikolić

012

Human epidermal growth factor receptor 2 (HER2) expression in urothelial carcinomas of the bladder

Aasma Nalwa, *India*

B. S. Arsha, P. Elhence, J. Naresh Bharti, M. Rao, G. Ram Choudhary

013

Two cases of primary intratesticular rhabdomyosarcoma

Ihssan Elouarith, *Morocco*

F. Zouaidia, A. Jahid, Z. Bernoussi, K. Znati

015

Intraductal carcinoma of the prostate in low-risk patients does not affect PSA failure and treatment decisions

Remi Semba, *Japan*

K. Uchida, T. Shiraishi, T. Onishi, T. Sasaki, T. Inoue, M. Watanabe

016

Papillary renal cell carcinoma (PRCC): a single institution archive review of morphological variability in the light of the new WHO 2022 classification

Tiago André Sousa Oliveira, *Portugal*

O. Hes

017

Pathological characterisation of Bosniak III and IV renal cysts

Ricardo López Del Campo, *Spain*

L. Rodríguez-Carunchio, K. Saez De Gordo, S. Jiménez, C. Sebastià, T. Ajami, M. Musquera, I. Trias

018

P53 overexpression in prostate carcinoma

Amen Dhaoui, *Tunisia*

S. Ben Rejeb, M. Aloui, D. Aloui, R. Boulma

019

The potential of tumour microenvironment markers in the onset and progression of prostate cancer

Cristina-Anita Ionescu, *Romania*

M. Aschie, G. Cozaru, M. Deacu, E. Matei, G. Baltatescu, A. Nicolau, I. Iorga, I. Burlacu, I. Dode, C. Orasanu, M. Enciu

020

Defining the most concordant basal and luminal urothelial markers using transcriptomic data

Michelle Downes, *Canada*

E. Olkhov-Mitsel, E. Slodkowska, Y. Yu, C. Sherman

021

Clinicopathologic assessment of MTAP status in muscle invasive urothelial carcinoma

Michelle Downes, *Canada*

E. Olkhov-Mitsel, E. Slodkowska

022

Neuroendocrine carcinomas of the urinary bladder: a large case series of a rare entity

Roberta Maragliano, *Italy*

G. Pini, L. Nicolini, C. Patriarca, M. Colecchia, F. Sessa, S. Uccella

023

Retrospective report-based review of kidney biopsies and resections with a focus on oncocytoma

Michael Bonert, *Canada*

N. Nikzad, I. El-Shinnawy, S. Salama, A. Kapoor

024

Synaptophysin, CD117, and GATA3 as a diagnostic immunohistochemical panel for small cell neuroendocrine carcinoma of the urinary tract

Gi Hwan Kim, Republic of Korea

Y. Cho, S. Kim, J. Park, S. Yoon, G. Jeong, D. Shin, H. Ju, S. Jeong

025

Molecular correlates of somatic-type malignancies arising in male germ cell tumours

Nicolas Wyvekens, USA

L. Sholl, Y. Yang, I. Tran, V. Vasudevaraja, B. Dickson, K. Al-Obaidy, N. Baniak, K. Collins, J. Gordetsky, M. Idrees, C. Kao, F. Maclean, A. Matoso, S. Wobker, C. Fletcher, M. Hirsch, J. Hornick, M. Snuderl, A. Acosta

026

TFF3 in ERG/SPINK1 subsets of sporadic prostate cancer

Irina-Draga Caruntu, Romania

S. Giusca, B. Gafton, I. Prutianu, B. Manole, A. Rusu, A. Timofte

027

Biomarkers implied in prostate cancer progression by flow cytometry analysis

Elena Matei, Romania

C. Ionescu, M. Aschie, M. Enciu, M. Deacu, A. Mitroi, S. Topliceanu, N. Dobrin, C. Stefanov, G. Cozaru

028

Correlation of GATA3, CK5/6 and p16 expression and overall survival in muscle-invasive bladder cancer

Robert Terlevic, Croatia

M. Ulamec, J. Murgić, G. Štimac, B. Krušlin

029

Dynamic sentinel node biopsies in penile cancer – the Edinburgh experience

Raluca Grigorescu, United Kingdom

M. O'Donnell

030

Next generation intraoperative margin assessment in nerve sparing radical prostatectomy, confocal laser microscopy versus frozen sections

Diederik Baas, The Netherlands

W. Vreuls, M. Sedelaar, E. Vrijhof, R. Hoekstra, S. Zomer, G. van Leenders, J. van Basten, D. Somford

031

Rapid intraoperative surgical margin assessment in partial nephrectomy using confocal laser microscopy

Diederik Baas, The Netherlands

W. Vreuls, S. Wagenaar, J. van Basten, S. Dijkstra

032

GRIN3A – a novel biomarker identifying a subtype of intraductal prostate cancer (IDC-P)

Mari Bogaard, Norway

J. Strømme, S. Kidd, B. Johannessen, A. Bakken, R. Lothe, K. Axcrona, R. Skotheim, U. Axcrona

033

Immunoreactivity of CK7 in clear cell renal cell carcinomas

Gonçalo Miranda, Portugal

J. dos Santos, J. Correia-Pinto, D. Alves, T. Amaro

034

Morphological characterization of chromophobe renal cell carcinoma: review of 30 cases

Gonçalo Miranda, Portugal

J. Dos Santos, J. Correia-Pinto, J. Cunha, T. Amaro

035

Quantitative, rules-based grading for noninvasive papillary urothelial carcinoma

David Berman, Canada

A. Slotman, K. Lindale, D. Winkowski, R. Baird, A. Simpson, R. Gooding

036

Percutaneous renal biopsy of kidney tumours: what comes next?

David João, Portugal

A. Sanches, A. Luis

037

Caveolin-1 expression in tissue and cfDNA methylation status in semen plasma of patients with benign prostate hyperplasia and prostate cancer

Silvija Mašić, Croatia

L. Škara, T. Vodopić, N. Sinčić, D. Tomas, B. Krušlin, M. Ulamec

038

Low grade oncocytic renal tumour (LOT): clinicopathological characterization of 9 cases from a single cancer center

Bo Xu, USA

A. Fawaz

039

Implications of correlation between PBRM1 and PD-L1 expression in renal cell carcinoma, clear cell type

Gheeyoung Choe, Republic of Korea

H. Hwang, K. Lee

040

Comparison of urinary cytology reported using the Paris System with follow-up biopsies: a single institutional experience

Yasar Kaan Akgök, Turkey

G. Gümrükçü, M. Doğan, S. Kılar Kösemen

041

Molecular characterization of the neuroendocrine variant of urothelial bladder carcinoma

Rosy Abou-Jaoudé, France

J. Fontugne, N. Sirab, V. Dixon, C. Krucker, F. Radvanyi, Y. Allory

042

Alpha-methylacyl-CoA racemase in carcinoma in situ of the urinary bladder: a useful addition or not

Carmen Weinans, The Netherlands

A. zur Hausen, V. Winnepenninckx, B. Vanneste, E. Speel, G. Roemen, T. Marcelissen, J. van Roermund, X. Li, K. Smits, I. Samarska

043

Reclassification of eosinophilic kidney tumours – a multi-institutional study of 318 cases

Levente Kuthi, Hungary

F. Sánta, Á. Somorác, B. Dénes, F. Salamon, A. Jenei, K. Eizler, N. Giba, D. Semjén

044

Evaluation of risk scoring systems for predicting inguinal lymph nodal metastasis in penile squamous cell carcinoma

Ashish Shah, India

S. Menon, A. Sali, G. Prakash, G. Bakshi, A. Joshi, M. Pal, V. Murthy, S. Desai

045

The association between varicocele in adolescence and testicular cancer in young adulthood

Tzahi Neuman, Israel

G. Verhovskiy

047

Sarcomatoid carcinoma of the bladder. Histological, immunohistochemistry and molecular review of 20 cases of this rare entity with poor prognosis

Pablo Puente López, Spain

E. Miraval Wong, E. García Fernández, P. González Peramato

048

Gleason score before and after radical prostatectomy: a comparative study

Vladan Trivunovic, Serbia

T. Lakic, M. Šunjević, N. Stanulović, M. Panjković

049

The impact of pathology review in a population-based cohort of 770 clinical stage I testicular germ cell cancer patients

Thomas Wagner, Denmark

B. Grønkær Toft, J. Lauritsen, M. Bandak, G. Daugaard, D. Berney

050

Prostatic calculi suppress the expression of VEGF in the prostate cancer

Artem Piddubnyi, Ukraine

R. Moskalenko

051

PTOV1 is overexpressed in prostate adenocarcinoma and high-grade intraepithelial neoplasia

Maria Strataki, Greece

F. Karasavvidou, A. Palaka, V. Tsangari, M. Ioannou, G. Koukoulis

052

Does ductus deferens invasion matter in pT3b prostate cancer?

Ezgi Dicle Serbes, Turkey

S. Sevim, E. Kozan, M. Karaburun, E. Süer, S. Kiremitci, D. Enneli

053

Automated prostate cancer identification facilitates prognosis marker assessment in 11'845 prostate cancers using artificial intelligence and BLEACH&STAIN multiplex fluorescence immunohistochemistry

Sarah Minner, Germany

N. Blessin, J. Müller, T. Mandelkow, E. Bady, M. Lurati, C. Hube-Magg, M. Graefen, G. Sauter, S. Steurer

054

Rare localisations of metastatic renal clear cell carcinoma – twenty years of experience of two institutions

Pavel Hurník, Czech Republic

J. Palica, J. Strakos, D. Ziak, V. Zidlik, R. Ondrussek, P. Vazan, M. Wozniakova, P. Delongova, F. Fakhouri, J. Skarda

055

Immunohistochemical expression of the ERG oncoprotein in prostatic cancer and its relationship with pathological parameters

Mohamed Malek Hamzaoui, Tunisia

A. Zehani, B. Chelly, A. Ayari, O. Belhadj, I. Chelly, H. Azouz, K. Bellil, S. Haouet

056

Molecular classification of urothelial bladder carcinomas: input of the immunohistochemistry

Mohamed Malek Hamzaoui, Tunisia

A. Ayari, B. Chelly, O. Belhadj, A. Zehani, I. Chelly, H. Azouz, K. Bellil, S. Haouet

058

Plasmacytoid urothelial carcinoma of the bladder: histological and clinical features of 14 cases

Mohamed Malek Hamzaoui, Tunisia

A. Zehani, K. Chaker, Y. Ouanes, Y. Nouira, B. Chelly, A. Ayari, O. Belhadj, I. Chelly, H. Azouz, K. Bellil, S. Haouet

059

Prognostic value of keratins and desmosomal proteins in muscle-invasive urothelial carcinoma

Anna Scherping, Germany

C. Garbers, J. Luzha, M. Schostak, B. Jandrig, A. Hartmann, N. Abele, M. Eckstein, P. Ströbel, B. Tomasik, P. Czapiewski

060

SHH pathway tissue expression depends on histological type of germ cell tumours

Ewa Izzycka-Swieszewska, Poland

K. Czarnota, B. Lipska-Zietkiewicz, W. Grajkowska, J. Stefanowicz, E. Drozynska, B. Dembowska-Baginska, M. Jankowski, A. Jasiak, K. Buczkowski

061

TFE3 is related with PI3K/Akt pathway in renal cell carcinoma

Hyunjung Lee, Republic of Korea

► E-Posters

E-Posters can be searched for and viewed electronically on the E-Poster Terminals in the Foyer on the 2nd Floor from Sunday, 4 to Wednesday, 7 September 2022.

E-PS-01 E-Posters

Autopsy Pathology

001

Ultrasound-guided minimally invasive autopsy as an alternative to conventional autopsy in selected patients: a case report

Cristina Fuente-Díaz, Spain

M. García, M. Berrios-Hernández, M. González-Gutiérrez, V. Blanco-Lorenzo, E. Colado, C. González del Rey-Rodríguez, J. Riera, A. Encinas-Muñiz

002

Sudden cardiac death in pancreatic acinar-neuroendocrine carcinoma

Aigul Sapargaliyeva, Kazakhstan

I. Sergeeva

003

Incidental multilocular cystic nephroma in forensic pathology

Cornelia Amalinei, Romania

L. Riscanu, A. Grigoras

004

Fatalities in environmental heat exposure

Cornelia Amalinei, Romania

A. Hlescu, A. Grigoras

005

Capnocytophaga canimorsus septicaemia diagnosed post-mortem – a case report

Andrea Hennessy, Ireland

N. Shah

006

Spontaneous coronary artery dissection in a pregnant woman with COVID-19

Laura Chinezu, Romania

C. Radu

008

An unusual case of infrarenal pheochromocytoma developed on ectopic adrenal tissue

Rebeca-Ioana Chiciudean, Romania

T. Bara, I. Jung, S. Gurzu

009

Covid-19 and granulomatosis with polyangiitis. Autopsy report

Maxim Mnikhovich, Russia

O. Sidorova, I. Shiripenko, T. Bezuglova, A. Romanov, T. Sotnikova, M. Mnikhovich, T. Polushkina, D. Pastukhova

010

A fatal case of fibrinous pericarditis in a uremic patient – a case report

Miguel Cristóvão, Portugal

M. Varela dos Santos, N. Gião, C. Pontinha

011

The histological effects of colchicine in the setting of Behcet's disease: an autopsy case report

João Pimentel, Puerto Rico

E. Dutra, C. Pontinha

012

Unexpected cause of a blunt vertebral artery injury with a lethal outcome and contributing factors

Maja Životić, Serbia

I. Filipović, A. Vujčić, D. Mitrović, I. Končar, P. Mutavdžić, B. Barišić, M. Tubić, D. Dunderović

013

Amyloidosis: report autopsy in a patient with suspected sepsis

Denise Nunes, Brazil

Á. Freire, H. Leite, T. Brasil, C. da Silva, G. Ponte, J. Melo, F. Marcelino Silva

014

A clinical case of acute myocardial infarction with myomalacia in COVID-19 in a man with hypertension

Kirill Kosov, Russia

E. Guryanova, O. Vorobeva, L. Romanova, N. Zhuravleva

E-PS-02 E-Posters

Breast Pathology

001

Primary mucoepidermoid carcinoma of the breast – case report

Nevena Ilieva, Bulgaria

D. Tashkova, A. Georgiev, V. Ivanov

002

Neuroendocrine tumour of the breast showing invasive micropapillary features and multiple lymph node metastases

Tomonori Kawasaki, Japan

T. Tashima, K. Taniyama, J. Ichikawa, M. Saitoh, A. Fujimoto, A. Asano, H. Imada, C. Muramatsu, H. Nagai

003

Morphologic and immunohistochemical features of triple negative breast cancers: a tissue – microarray study

Panagiotis Paliogiannis, Italy

R. Lobrano, M. Piras, V. Marras, M. Fedeli, A. Fara, A. Cossu

004

Mammary Paget's disease mimicking in-situ melanoma – a case report and review of literature

Luana-Andreea Bosoteanu, Romania

M. Aschie, M. Bosoteanu

005

Malignant solitary fibrous tumour of the breast: a rare tumour in a rare location

Sara Reis, Portugal

N. Castelo-Branco, L. Rei, C. Abrantes, A. Coelho, P. Figueiredo

006

Metaplastic breast carcinoma: a case report

Grace Crilly, Ireland

N. Shah

007

Tall cell carcinoma with reversed polarity of the breast

Ines Saguem, Tunisia

W. Ben Makhlof, S. Makni, M. Triki, C. Kammoun, T. Boudawara, S. Charfi, M. Melloui

008

Digital radiography for histopathologic examination of breast cancer after neoadjuvant chemotherapy

Inessa Telezhnikova, Russia

L. Zhukova, S. Khomeriki, G. Setdikova

009

The rare and the hidden – twin challenges posed by malignancy in microglandular adenosis of the breast. Metaplastic matrix producing triple negative and multifocal luminal type invasive carcinomas

Silvana Di Palma, United Kingdom

A. Gamage, A. Stacey-Clear, J. Horsnell, I. Ellis

010

Extramammary metastases to the breast: a retrospective analysis of 15 cases in a Tunisian institution

Ines Saguem, Tunisia

C. Kammoun, O. Boudawara, M. Manai, C. Chaari, W. Ghribi, N. Gouiaa, T. Boudawara, S. Makni

012

Metastatic NET of the cranial orbit: a case report of unknown origin

Nikolaos Pouliantis, Greece

I. Nitsios, G. Theodoropoulou, A. Dimitriadi, C. Roumbas, C. Karantzias, A. Kostopoulou, X. Grammatoglou, N. Georgakoulis, T. Choreftaki

013

Breast malakoplakia mimicking malignancy: a case report

Nada Mansouri, Tunisia

M. Ben Thayer, F. Gargouri, R. Aouadi, K. Tlili, I. Msakni, B. Laabidi

014

Mammary-like carcinoma in an extramammary site: vulvar adenocarcinoma arising from specialized anogenital mammary-like gland. Thinking outside the box. Case report and summary of the literature

Anikó Kovács, Sweden

T. Parris, C. Mateoiu, K. Helou, P. Karlsson

015

Pleomorphic adenoma-like tumour of the breast: an unusual entity

Antonia Syrnioti, Greece

E. Tolparidou, T. Koletsa

016

Primary malignant melanoma of the breast. A rare case report

Alexander Romanov, Russia

M. Mnikhovich, D. Pastukhova, T. Sotnikova

017

Pure signet-ring cell carcinoma of the breast – two case reports of a rare entity

Teresa Maria Costa, Portugal

R. Sampaio

018

To explore the changes of 21 gene detection in the 2022 version of the breast cancer NCCN guidelines and the interpretation of the 21 gene in breast cancer in the 2017 version of the guidelines

Yueping Liu, China

Y. Jia, S. Li

019

Association between protein expression of KISS1 and KISS1R and receptor status in invasive breast carcinoma

Svitlana Bachurska, Bulgaria

D. Pupaki

020

Primary neuroendocrine breast carcinoma or metastatic lung cancer? The role of a careful interpretation of GATA-3

Jacopo Caschili, Italy

A. Ravarino, L. Nonnis, R. Murru, C. Gerosa, G. Faa, D. Fanni

021

Challenging diagnosis in breast undifferentiated sarcoma – a case report

Florina Almarii, Romania

A. Blajin, D. Terzea, L. Welt, G. Lica, G. Halcu, I. Popa

022

Incidental invasive lobular carcinoma arising in a fibroepithelial lesion

Lynsey Williams, United Kingdom

A. Arnaout

023

Subtleties of early breast implant-associated anaplastic large cell lymphoma – a potential for missed-diagnosis

Salih Bakhiet, United Kingdom

A. Behzadnia, H. Ali, N. Duhli, L. Karsai, A. Elhag, N. Briggs, M. Rourke, A. Rahman, B. Wooler

024

A rare, unusual case of eosinophilic mastitis: case report

Thanikachalam Pasupati Meenakshi, Malaysia

B. Karikalan

025

Acquired lymphangiectasia following surgery and radiotherapy of breast cancer: report of two cases

Soumaya Graja, Tunisia

M. Mellouli, S. Makni, M. Manai, N. Gouiaa, C. Kammoun, T. Boudawara, I. Saguem

026

Cystic neutrophilic granulomatous mastitis – case report

Ionut Poinareanu, Romania

D. Sporis, M. Cristian, A. Serb, T. Domsa

027

Decreases discrepancies between frozen and final diagnosis in the evaluation of breast sentinel lymph node

Ghada Sahraoui, Tunisia

Y. Houcine, K. Hamza, S. Kammoun, S. Ayadi, R. Chargui, M. Driss, R. Doghri

028

Synchronous bilateral primary breast angiosarcoma after reduction mammaplasty: an extremely rare case and literature review

Cansu Sönmez, Turkey

B. Gözükar, Y. Akgök, E. Ekren, F. Aker

029

Primary osteosarcoma of the breast – diagnosis of exclusion with metaplastic carcinoma and malignant phyllodes tumour

Anna Szumera-Cieckiewicz, Poland

J. Owczarek, O. Kuczkiewicz-Siemion, K. Kurek, A. Borkowska, M. Spatek, Z. Nowecki, P. Rutkowski

030

Heterogeneity of breast cancer surrogate subtype of primary tumour and local metastases

Konstantin Konyshev, Russia

S. Sazonov

031

Two cases for a rare association; mixed tumour of the breast which contains acinic cell carcinoma and metaplastic carcinoma components

Kadriye Ebru Akar, Turkey

İ. Hotmanoğlu Şahin, H. Toper, H. Kaya

032

A relapsing breast abscess – about a case

Sofia Antunes, Portugal*C. Dahlstedt Ferreira, R. Rosas, C. Pereira*

033

The impact of increased p53 expression on the clinical outcome in hormone receptor positive breast cancer: a new useful biomarker?

Havva Gokce Terzioglu, Turkey*M. Üner, K. Kosemehmetoglu, S. Aksoy, A. Üner*

034

Distant metastases from phyllodes tumours: a retrospective review from a single institution

João Castro, Portugal*J. Azevedo, A. Coutada, J. Costa, C. Leal Barbosa, M. Afonso*

035

Rare localizations of metastatic lobular carcinoma – twenty years of experience of two institutions

Pavel Hurník, Czech Republic*J. Strakos, J. Palica, D. Ziak, V. Zidlik, R. Ondrussek, P. Vazan, M. Wozniakova, P. Delongova, F. Fakhouri, J. Skarda*

036

Extracellular matrix analysis in breast cancer. Study of 5 cases

Tatyana Sotnikova, Russia*M. Mnikhovich, A. Romanov, T. Bezuglova*

037

Axillary region nodule: an unusual finding

Yosra Fejji, Tunisia*N. Abdessayed, Z. Lajmi, A. Bchir, S. Yacoub, M. Mokni*

038

A rare case of metaplastic carcinoma with neuroendocrine differentiation

Salih Bakhiet, United Kingdom*A. Behzadnia, A. Elhag*

003

Cardial intimal sarcoma

Milena Jovanovic, Serbia*N. Karamarković, A. Lazarević, L. Simic, B. Dozic, S. Glumac*

004

Early myocardial infarction recognition by CD15 and C9 expression

Vitor Sousa, Portugal*V. Almeida, A. Ladeirinha, A. Rodrigues, A. Alarcão, M. Reis Silva, T. Ferreira, R. Almeida, R. Henriques De Gouveia, C. Vilasboas, L. Carvalho*

005

Inflammation, media degeneration and atherosclerosis during ascending aortitis

Ivana Kholova, Finland*E. Hermonen, A. Mennander, T. Paavonen*

006

A rare case of heart metastasis of chondrosarcoma

Issam Msakni, Tunisia*R. Aouadi, N. Mansouri, F. Gargouri, M. Ben Thayer, K. Tlili, B. Laabidi*

007

A rare cardiac neoplasm: case report of a cardiac angiosarcoma, review of literature

Erva Bengu Balaban, Turkey*M. Çıkrıkçıoğlu, Y. Akgök, B. Ketenci, F. Aker*

008

New method of an assessment of thrombogenic complications caused by SARS-CoV-2 virus. Anatomical research

Maxim Mnikhovich, Russia*O. Sidorova, I. Shiripenko, S. Snegur, A. Romanov, T. Bezuglova, T. Sotnikova, M. Mnikhovich*

009

Universal model for advanced macroscopic assessment of acute myocardial injuries

Sergei Mozgovoi, Russia*E. Klyuchnikova, A. Zolotov, E. Abrosimova, O. Korpacheva*

E-PS-03

E-Posters

Cardiovascular Pathology

002

New perspectives in cardiac surgery: electrical DC tensions implements morphologic patterning in chick heart embryo model

Athos Capuani, Italy

E-PS-04 E-PS-05	E-PS-04	E-Posters
	Cytopathology	

002

Strongyloides stercoralis: a rare case diagnosed with esophageal swab sample

Arzu Hazal Aydin, Turkey

B. Bayazit Gözükküçük, N. Turhan

003

Metastatic malignant mixed germ cell tumour of the epigastrium as a primary incidental finding: a rare case presentation

Alexandros Sykaras, Greece

N. Katsoulas, D. Goutas, I. Zyli,

I. Papanikolaou, E. Politi

004

Pancreatic metastasis of multiple myeloma diagnosed by EUS-FNA: report of a rare case

Alexandros Sykaras, Greece

I. Zyli, N. Katsoulas, D. Goutas,

I. Papanikolaou, E. Politi

005

Immunocytochemistry-assisted diagnosis of solid pseudopapillary neoplasm of the pancreas in a young man

Alexandros Sykaras, Greece

I. Zyli, D. Goutas, N. Katsoulas,

I. Papanikolaou, E. Politi

006

Cytomorphological and clinical features of desmoplastic small round cell tumour in peritoneal effusion

Senay Erdogan-Durmus, Turkey

D. Tolga, H. Bilgi

008

Cytologic diagnosis of pancreatic acinar cell carcinoma – a case report

Catrine Dahlstedt-Ferreira, Portugal

D. Argyropoulou, P. Marta, P. Marques,

H. Oliveira Coelho

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Dermatopathology	

001

Pure bullous pyoderma gangrenosum, a challenging clinicopathological diagnosis – critical literature review with emphasis on diagnostic criteria

Patricia García Abellás, Spain

B. Díaz Guimaraens, A. Ferrer Gómez,

R. Carrillo Gijón

002

Telangiectasia arising in submandibular melanocytic (compound) nevus

Doxakis Anastakis, Greece

M. Givannakis, G. Tsiropoulos,

C. Charalampidis, N. Krystalidis,

I. Dimitriadis, P. Karkos

003

Interstitial Mycosis Fungoides. A clinicopathologic study of four cases

Alicia Córdoba, Spain

G. De Lima, A. Pasco, A. Larrea, D. Guerrero,

J. Yanguas

004

Clear cell variant of atypical fibroxanthoma and pleomorphic dermal sarcoma: molecular characterisation of two cases

Jose Coelho Lima, United Kingdom

J. Bruty, J. Watkins, H. Liu, R. Price,

N. Stefanos

005

Eruptive junctional melanocytic naevi associated with cutaneous mastocytosis, a rare case report

Faris Kubba, United Kingdom

A. Gradassi

007

Metatypical basal cell carcinoma overlying a dermatofibroma: an association never described before

Helen Trihia, Greece

P. Manikis

008

Eccrine porocarcinoma metastasized in the lung – a case report

Natasa Novkovic, Greece

M. Papazian, G. Stanc, M. Sevastiadou,

C. Valavanis, E. Souka

009

The relative composition and distribution of the mononuclear inflammatory cell infiltrate in common melanocytic nevi

Georgiana-Irina Tudor, Romania

O. Stefan, S. Zurac, L. Liliana Cristina, D. Boda, C. Caruntu

010

Clinical pitfall, an incidental umbilical melanoma, a case report

Sumeyra Kartal, Turkey

E. Tuncer, H. Özer

011

Adenolipoma: a rare benign tumour

Efthymia Souka, Greece

G. Stanc, N. Novkovic, K. Ntatsis, C. Valavanis

012

Viral exanthema in a COVID-19 patient

Elif Yumuk, Turkey

S. Sagaptay, G. Bülbül, B. Lebe

013

Cryoglobulinemia and reactive angioendotheliomatosis, secondary to multiple myeloma and Waldenström's macroglobulinemia, a report of two rare cases

Faris Kubba, United Kingdom

D. Ivan, F. Teixeira, H. Kagdi, A. Scur, R. Skinner, B. Barbosa

014

Melanoma with blue nevus-like features – diagnostic challenges and management

Alexandra Pup, Romania

D. Szilagy

015

Rare association of Leishmaniasis with purpura: a case report

Sofia Hincapié, Ecuador

E. Loayza, C. Pozo, M. Cruz, A. Orellana, S. Isabella, J. Garcés

016

Calciophylaxis – histopathological feeling of impending doom. A case report

Adrian Dumitru, Romania

A. Ciongariu, D. Tapoi, I. Mergeanu, M. Sajin, M. Costache, C. Aliuş

017

Pilomatrical carcinoma, a case report

Sumeyra Kartal, Turkey

E. Tuncer, O. Goze

018

Clinicopathological concordance of mycosis fungoides: 10 years of our institutional experience

Erhan Ekren, Turkey

N. Koç, Ş. Yaşar, M. Erdal

019

Discrete papular lichen myxoedematosus, a rare case report and review of literature

Faris Kubba, United Kingdom

M. Shetty, I. Logan

020

Clear cell hidradenoma of the inguinal area: an unusual case

Issam Msakni, Tunisia

R. Aouadi, N. Mansouri, F. Gargouri, M. Ben Thayer, K. Tlili, B. Laabidi

021

Atypical hidradenoma: a case report

Yasemin Özerdem, Turkey

E. Ucaryılmaz Ozhamam

022

Secondary localized cutaneous amyloidosis in mycosis fungoides

Esra Aydemir, Turkey

I. Zemheri

024

Subcutaneous fat necrosis of the newborn – case report of a rare entity

Teresa Maria Costa, Portugal

R. Sampaio

025

Onychocytic matricoma: a case report

Silvia Gamba Torrez, Spain

D. Parron Collar, A. Gartzia Rivero, Y. Aberasturi Plata, S. Fernandez Sole, E. Oliva Dominguez, S. Acero Rodriguez, I. Orbegoza Arrizabalaga, I. Gantxegi Fernandez, I. Allende Markixana, I. Mendez Maestro, A. Fernández de Larrinoa Santamaría

027

Merkel cell carcinomas associated to a primary hematological neoplasm: a unique case associated to follicular lymphoma

Eduardo Miraval Wong, Spain

P. Puente López, E. García Fernández

028

VEXAS: case report and characteristics of a new syndrome with neutrophilic dermatosis

Gabriela Barrios Millán, Spain

G. Servera, E. Sendagorta, E. García Fernández, E. Ruiz-Bravo, M. Beato

029

Nivolumab therapy in multiple primary melanomas – a case report

Adelina-Maria Cohn, Romania

A. Chirita, A. Alexandru, O. Repede, I. Margaritescu

030

A case of pseudoxanthoma elasticum with severe, early-onset ocular manifestations

Dimitra Koumoundourou, Greece

G. Kyriakou, V. Tzelepi

031

Histoprognostic factors of cutaneous melanoma in relation to metastasis at the sentinel lymph node

Hayet Douik, Tunisia

K. Tlili, G. Sahraoui, R. Doghri, L. Charfi, B. Hedhli, H. Guizani, K. Mrad

032

Cutaneous Kikuchi-Fujimoto disease (KFD) post COVID-19 vaccination: case report

M. Angelica Barrios Villalba, Spain

P. Pose Lapausa, J. Magdaleno Tapial, V. Sabater Marco

033

Erythema elevatum diutinum in a patient with Crohn's disease: a very rare variant of chronic cutaneous vasculitis

Germán Moreno De Juan, Spain

G. Yange Zambrano, I. Gallego Gutiérrez, P. Martín Soler, M. Rodríguez Duque, C. González Vela

034

The clinical and pathological features of nevus associated melanomas

Bianca Nataras, Romania

A. Ploeanu, V. Popa, A. Dema

035

Metastatic male breast carcinoma in the skin. Report of a rare case

Maxim Mnikhovich, Russia

A. Romanov, T. Bezuglova, D. Pastukhova

036

A case of acantholytic squamous cell carcinoma of the skin

Zainab Lajmi, Tunisia

A. Bdioui, M. Krifa, S. Mestiri, O. Belkacem, S. Hmissa

037

A rare and sometimes fatal syndrome: Stevens-Johnson

Diogo Sá, Portugal

A. Coelho, F. Vieira, J. Vizcaíno

038

Pleomorphic basal cell carcinoma of the eyelid: an uncommon case report

Samiha Mabrouk, Tunisia

N. Abdessayed, Z. Nfikha, Y. Fejji, Z. Lajmi, L. Knani, M. Mokni

E-PS-06	E-Posters
Digestive Diseases Pathology – GI	

001

Superficial “early” colon cancer showing extraordinary distant metastases, simulating a gynaecologic origin – potential diagnostic pitfall

Tomonori Kawasaki, Japan

R. Terada, S. Sato, A. Yabuno, H. Inui, R. Jinushi, Y. Nakano, T. Ogawa, S. Ryozaawa, Y. Watanabe, A. Kataoka, T. Fujii, K. Deguchi, Y. Hirano, Y. Usami, H. Imada, R. Kawamura, T. Tashima

002

Mixed neuroendocrine-non-neuroendocrine neoplasm (MiNEN) arising from long-segment Barrett's oesophagus showing exceptionally aggressive clinical behaviour

Tomonori Kawasaki, Japan

K. Miyaguchi, T. Tashima, Y. Nakano, R. Jinushi, S. Ryozaawa

003

Prevalence and impact of false negative digestive biopsies

Amen Dhaoui, Tunisia

D. Aloui, M. Aloui, T. Jomni, S. Ben Rejeb

005

Multifocal small bowel adenocarcinoma associated with Crohn's disease – case report

Katerina Kamaradova, Czech Republic

H. Faistová, H. Vošmiková

006

Extra-appendiceal goblet cell adenocarcinoma: a new entity or an old companion in a new location?

Ivan Franin, Croatia

A. Ibukić, D. Brletić, D. Tomas, A. Demirović

008

Clinicopathological features of a rare subtype of gastric neoplasm

Diana-Alexandra Raduta, Romania

L. Nichita, M. Cioplea, L. Sticlaru, E. Ignat, A. Vilaia, O. Stefan, G. Tudor, C. Popp

009

Incidence of dysplasia in Barrett's esophagus

Liudmila Mikhaleva, Russia

K. Maslenkina, S. Gusniev, V. Olesya, Z. Gioeva

010

Immunohistochemical evaluation of diffuse gastric cancer morphological variants

Liudmila Mikhaleva, Russia

K. Midiber, K. Maslenkina, A. Biryukov, Z. Gioeva

011

Oesophageal squamous papillomatosis: a case report

Khouloud Ben Lazreg, Tunisia

R. Jouini, I. Helal, F. Khanchel, R. Hedhli, S. Fkih, E. Ben Brahim, M. Sabbah, A. Chadli

012

Granular cell tumour of the appendix – an extremely rare case report

Joana Madeira, Portugal

F. Ramalhosa, C. Faria, M. Silva, M. Cipriano

013

Clinicopathological and histomorphological association in K-ras mutated colorectal cancer

Dzengis Jasar,

V. Filipovski, K. Kubelka-Sabit

014

The role of IL-23 positive cendritic cells in development of gastric cancer

Julian Ananiev, Bulgaria

K. Ivanova, M. Hadzhi, E. Aleksandrova, M. Galabova

015

A study of HLA-G expression profiling in colorectal cancer

Sabrina Dhouioui, Tunisia

N. Boujelbene, I. Zemni, H. Ben Yahia, W. Babay, M. Ferjani, K. Mrad, H. Ouzari, I. Zidi

016

Fibrosis of the muscular layer of the colon as a predictor of the complicated course of diverticulosis

Liudmila Mikhaleva, Russia

A. Konyukova, N. Gutyrchik

017

An unusual histopathological morphology of collagenous gastritis

Zhao Jian Oswald Lee, Singapore

J. Lum

018

Prognostic significance of cyclin D1 over-expression in colorectal cancer

Amen Dhaoui, Tunisia

D. Aloui, M. Safer, S. Ben Rejeb, M. Aloui, R. Bahloul, T. Jomni

019

Mixed neuroendocrine-non-neuroendocrine neoplasm (MiNEN) of the Vater Ampulla in a Portuguese patient: a case report

Carla Courelas, Portugal

R. Oliveira, J. Gama, J. Madeira, A. Alves, M. Cipriano

020

Intestinal obstruction as initial manifestation of lobular breast cancer metastasis. A case report

Georgios Galanopoulos, Greece

E. Souka, N. Novkovic, C. Dastamani, E. Tsovolou, K. Manoloudaki

021

Crawling-type gastric adenocarcinoma with progression to signet-ring cell (diffuse) carcinoma

Madalena Souto De Moura, Portugal

I. Gullo, C. Fleming, C. Peixoto, J. Lopes, F. Carneiro

022

Hepatoid gastric carcinoma metastatic to the skin – a case report

Christos Valavanis, Greece

N. Novkovic, G. Stanc, S. Stasinopoulou, N. Kopanakis, E. Souka

023

The effect of counting mitosis by phosphohistone-3 immunohistochemistry on risk categorization in gastrointestinal stromal tumours

Göksenil Bülbül, Turkey

Ö. Sağol, M. Ünlü, S. Sarioğlu

024

Primary retroperitoneal mucinous neoplasia with borderline malignancy / with low malignant potential

Helene Geddert, Germany

T. Rüdiger, J. Baral

025

A rare case of colon adenosquamous carcinoma

Eftymia Souka, Greece

G. Galanopoulos, N. Novkovic, L. Karelis, P. Manikis, G. Stanc

026

Glomus coccygeum: a case report of an incidental finding

Coca Mihaela Vieru, Spain

Y. Gómez Navarro, M. García Martos

027

Epidemiological, clinical, and pathological aspects of early gastric cancer in Tunisian people

Meriam Triki, Tunisia

M. Manai, S. Graja, M. Mellouli, L. Ayadi, W. Ghribi, T. Boudawara, R. Kallel

028

Clinicopathologic features of appendicular endometriosis: a retrospective case series of two university hospitals

Monica Bronte Anaut, Spain

C. Vieru, J. Arredondo Montero, A. Larrea, T. Dot Gómara, A. Pasco, M. Llanos Chavarri, R. Guarch Troyas, M. García Martos, A. Panizo

029

Primary leiomyosarcoma of the stomach: a case report

Ferhat Ozden, Turkey

A. Cakir

030

Serrated gastric adenocarcinoma developed on a Hyperplastic polyp: a new case

Khouloud Ben Lazreg, Tunisia

R. Jouini, F. Khanchel, I. Helal, S. Fkih, F. Sassi, R. Hedhli, O. Khayat, E. Ben Brahim, M. Sabbah, D. Hadded, A. Chadli

031

Collagenous gastritis: clinico-pathological spectrum of 4 cases in a 28 year single center retrospective study

Clara Cerezo, Spain

A. Larrea, C. Fuertes, A. Pasco, G. De Lima

032

A rare case of gastrointestinal stromal tumour (GIST) of the appendix

Olivia McCabe, United Kingdom

C. Dick, E. Macduff, W. Smith

033

Peculiar morphology in colonic adenocarcinoma arising from a traditional serrated adenoma

Florina Almarii, Romania

S. Stanilescu, L. Welt, G. Lica, I. Popa, M. Bara, G. Halcu

034

Osseous metaplasia in colon cancer: a case report and literature review

Anca Toma, Romania

E. Tianu, O. Stefan, F. Obrocea

035

Volume of resected tumour as indicator of colorectal cancer dynamics

Andrey Filin, Russia

V. Danilenko, E. Chupandina

036

Multiple peritoneal calcifying fibrous tumour: a case report

Saadia Makni, Tunisia

S. Ben Tekaya, M. Mellouli, M. Triki, I. Saguem, S. Charfi, T. Boudawara, M. Manai

037

An unexpected Lynch Syndrome patient, Muir torre variant

Rebecca D'amato Pascarella, Italy

M. Cerati, A. Chiaravalli, I. Carnevali, F. Sessa

038

Morphogenetic role of mast cells in colorectal cancer

Andrey Filin, Russia

E. Chupandina, V. Shishkina, A. Goryacheva

039

Visceral leishmaniasis presented as colitis in a patient with multiple myeloma

Alexandros Sykaras, Greece

C. Kouvidou

040

Mixed neuroendocrine-non-neuroendocrine neoplasm of the ampulla of Vater: a case report

Ines Saguem, Tunisia

M. Manai, M. Mellouli, S. Ben Tekaya, S. Graja, A. Trigui, T. Boudawara, R. Kallel

041

Dedifferentiated liposarcoma of the cecum and right adrenal gland, leiomyosarcoma phenotype

Hiroki Imada, Japan

T. Tashima, K. Deguchi, T. Fujii, Y. Hirano, Y. Yazawa, T. Torigoe, J. Ichikawa, C. Muramatsu, S. Kanno, T. Kawasaki

044

Glomangioma of stomach mimicking GIST: case report

Thanikachalam Pasupati Meenakshi, Malaysia

B. Karikalan

045

HPV-associated mucoepidermoid carcinoma of the anal canal: a case report

Mohamed Amine Bani, France

A. Fitouri, P. Dartigues, S. Cotteret, J. Scoazec, A. Al Ghuzlan

046

Assessment of MMP9 expression in inflammatory bowel diseases (IBD) and microscopic colitis (MC) as a prognostic factor and a possible therapeutic target

Raluca Ardeleanu, Romania

A. Bastian, A. Cioroianu, D. Raduta, M. Matanie, A. Cernat-Stefan, S. Sabo, A. Ciocan, M. Filip, C. Popp

047

Cystic mesothelioma of the peritoneum: a case report of an unusual tumour and literature review

Omar Mnif, Tunisia

R. Ayadi, E. Braham, M. Mlika, A. Rais, A. Ayadi, O. Ismail, F. El Mezni

048

Paneth cell carcinoma: a rare subtype of gastric carcinomas

Senay Erdogan-Durmus, Turkey

S. Sengiz-Erhan, M. Gulluoglu, S. Aktas, A. Alemdar

049

A rare case of synchronous gastrointestinal stromal tumour and primary peritoneal mesothelioma – coincidental or not?

Evelina-Nicoleta Ignat, Romania

A. Cioroianu, L. Sticlaru, M. Cioplea, D. Raduta, M. Filip, S. Zurac

051

Histopathological evaluation of gastrointestinal stromal tumours

Sila Yilmaz Erozbek, Turkey

Z. Bayramoglu, E. Kuzucular, F. Özden

052

Evaluation of mismatch repair status in colorectal carcinoma

Sila Yilmaz Erozbek, Turkey

Z. Bayramoglu, E. Kuzucular, F. Özden

053

Morphometric parameters of esophageal mucous in young people with gastroesophageal reflux disease and autoimmune thyroiditis

Vitaliy Gargin, Ukraine

N. Zhelezniakova, T. Bocharova, T. Pasiyeshvili, L. Pasiyeshvili, V. Sakal

054

Did the COVID-19 pandemic impact the presentation and management of colorectal cancer in a Tunisian population?

Ghada Sahraoui, Tunisia

N. Kouki, K. Tlili, R. Doghri, L. Charfi, I. Ben Safta, K. Mrad

055

Tumour budding: a strong and reproducible prognostic marker in stage II colorectal carcinoma

Atika Baccouche, *Tunisia*

N. Abdessayed, W. Majdoub, T. Zahmoul, H. Hamchi, O. Belkacem, M. Mokni, S. Hmissa

056

A retrospective study investigating how common serrated adenocarcinomas are and whether it is possible to identify from morphology and immunohistochemistry

Abed Arnaout, *United Kingdom*

A. Andrade

057

Neuroendocrine tumour arising from a Meckel's diverticulum: a rare entity

Safouane Frini, *Tunisia*

A. Baccouche, W. Majdoub, A. Bdioui, S. Mestiri, S. Hmissa

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Adenosquamous carcinoma of the colon: study of 5 cases

Syrine Moussa, *Tunisia*

W. Majdoub, M. Krifa, A. Baccouche, O. Belkacem, S. Ben Cheikh, A. Bdioui, S. Hmissa

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Ulcerated colonic lipoma mimicking a gastrointestinal stromal tumour in Von Recklinghausen's disease

Safouane Frini, *Tunisia*

A. Bdioui, S. Moussa, W. Majdoub, O. Belkacem, A. Baccouche, S. Hmissa

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A rare case of extra genital non gestational choriocarcinoma of the jejunum

Sirine Ben Cheikh, *Tunisia*

W. Majdoub, M. Krifa, S. Mestiri, A. Baccouche, S. Hmissa

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Granular cell tumour of cecum: a case report

James Philip Skliris, *Greece*

S. Papadopoulou, N. Pastelli, I. Dimitriadis, I. Matzarakis, S. Papaemmanouil

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ARID1A expression as a possible marker of gastric precancerous lesions

Sergei Mozgovoi, *Russia*

V. Rubtsov, A. Shimanskaya, E. Pomorgailo, S. Glatko, A. Kononov

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Daniela Pereira, *Portugal*

K. Jiang

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A rare case of concomitant RAS and BRAF mutation in colon adenocarcinoma

João Gama, *Portugal*

A. Gomes, P. Teixeira, J. Madeira, C. Faria, V. Almeida, F. Ramalhosa, G. Fontinha, B. Sepodes, C. Courelas, A. Alves, R. Oliveira, M. Cipriano

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Clinical and pathological features of the major duodenal papilla lesions

Sirine Elfekih, *Tunisia*

K. Ben Abdallah, F. Khanchel, H. Zaafouri, M. Tounsi, I. Helal, R. Hedhli, E. Ben Brahim, D. Trad, R. Jouini, A. Chadli

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Diana Ionelia Eneaa, *France*

P. Benigni, A. Sayadi, C. Groulez, M. Svrcek

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Diana Ionelia Eneaa, *France*

X. Dray, E. Guillerme, A. Guilloix, M. Yver, P. Cervera, M. Svrcek

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Mismatch repair protein status in gastric cancer: implications for diagnosis, prognosis and management

Luis Mascarenhas-Lemos, Portugal

J. Ricardo Silva, D. Sousa Marques, I. Gullo, X. Wen, C. Nascimento, A. Costa, A. Faria, C. Gouveia, L. Pinho, P. Patrícia, F. Carneiro, M. Cravo

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A case of clear cell sarcoma of the jejunum

João Gama, Portugal

R. Oliveira, A. Lai, J. Madeira, C. Courelas, A. Alves, G. Fontinha, F. Ramalhosa, V. Almeida, C. Faria, M. Cipriano

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Filipa Rosa, Portugal

J. Lemos Garcia, J. Maciel, F. Cabral, F. Silva Brito, I. Rosa, I. Claro, R. Fonseca

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Esophageal schwannoma: a rare case report

Anastasios Stofas, Greece

A. Patereli, D. Goutas, H. Gakiopoulou, P. Korkolopoulou

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Sergei Mozgovoï, Russia

A. Gubanov, M. Stepanchenko, M. Livzan

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Sirine Elfekih, Tunisia

F. Khanchel, I. Helal, H. Zaafour, R. Hedhli, E. Ben Brahim, R. Jouini, A. Chadli

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Pre-operative staging of rectal neoplasia – a 8-year series of anatomopathological and imagiologic correlation

Mariana De Brito Pereira, Portugal

T. França de Santana, J. Laert, P. Borralho

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A rare case of duodenal mass revealing an unknown hepatocellular carcinoma

Atika Baccouche, Tunisia

A. Hassine, W. Majdoub, O. Belkacem, S. Moussa, A. Bdioui, S. Mestiri, S. Hmissa

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Ricella Souza Da Silva, Portugal

F. Gomes, J. Andrade, L. Barbosa, D. Silva

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Imen Helal, Tunisia

S. Fkih, F. Khanchel, A. Hmidi, R. Hedhli, E. Ben Brahim, R. Jouini, A. Chadli

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Skeletal metastases as first clinical manifestation of malignant tumours of digestive system – a single center experience

Radmila Jankovic, Serbia

J. Jevtic, L. Simic, S. Rajkovic, G. Djuricic, D. Ristic, J. Sopta

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Sergei Mozgovoï, Russia

A. Shimanskaya, M. Parygina, V. Rubtsov, A. Kononov

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Meriam Alaya, Tunisia

B. Chelly, A. Ayari, H. Azouz, A. Zehani, I. Chelly, K. Bellil, S. Haouet

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EBV associated Lymphoepithelioma-like cholangiocarcinoma: case report and literature review

Maria Garcia Martos, Spain

I. Peligros

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Unusual association of primary high grade neuroendocrine tumour and large cell neuroendocrine carcinoma of the liver – a case report

Béatrice Akiki, Belgium

N. D'Haene, C. Maris, M. Rimmelink, P. Demetter

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Medullary carcinoma of the pancreas: a case report and review of the literature

Matthew Hanks, United Kingdom

G. Irving, A. Zaitoun

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An extraordinary case of epithelioid/glandular malignant peripheral nerve sheath tumour arising between the ampulla of Vater and the pancreatic head

Maria Papazian, Greece

N. Novkovic, G. Kyriakopoulos, V. Pantelaion, S. Masteas, V. Stoyanova, G. Vilaras, S. Stasinopoulou

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Endophilin A3 expression in pancreatic ductal adenocarcinoma

Ludmila Lozneanu, Romania

I. Caruntu, S. Giusca, D. Ciobanu Apostol, A. Grigoras, A. Timofte, A. Rusu

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Pancreatic mucinous cystic neoplasm with Leydig cells and co-existent multifocal low grade pancreatic intraepithelial neoplasia

Meenakshi Rao, India

V. Varshney, T. Yadav, R. Sharma, A. Nalwa

007

Caveolin-1 and p21 induction in aggressive pancreatic neuroendocrine neoplasms

Efthymios Koniaris, Greece

A. Katak, I. Angelioudaki, L. Stoupis, A. Mitrousias, A. Tzingounis, G. Zografos, M. Konstadoulakis, G. Kafiri

008

Mucoepidermoid carcinoma of the liver: a rare, diagnostically challenging case

Arzu Hazal Aydin, Turkey

S. Yamak, G. Gürsoy, İ. Ovali Erdoğan, Y. Özoğul

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Solid pseudopapillary neoplasms of the pancreas, a study of 4 cases

Sumeyra Kartal, Turkey

E. Tuncer, H. Özer

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Mixed acinar neuroendocrine tumour: a rare case of pancreatic tumour

Efthymia Souka, Greece

G. Stanc, G. Galanopoulos, L. Karelis, O. Tzaida, E. Kontis

011

A singular case of primary hepatic extra gastrointestinal stromal tumour (EGIST)

Andleeb Abrari, United Kingdom

U. Mukherjee

012

Low-phospholipid associated cholelithiasis syndrome – a case report and literature review

Joana Dos Santos, Portugal

G. Miranda, T. Amaro

013

Hepatic epithelioid hemangioendothelioma: a case report

Gonçalo Miranda, Portugal

J. Dos Santos, L. Cirnes, J. Correia-Pinto, T. Amaro

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A rare case of primary signet ring ampullary carcinoma

Alexandra Vilaia, Romania

D. Raduta, L. Nichita, A. Voiosu, C. Popp

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Pancreatic carcinoma: primary or metastatic? A case report

Efthymia Souka, Greece

G. Galanopoulos, G. Stanc, N. Novkovic, K. Manoloudaki

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Collision of low-grade hepatocellular carcinoma and low-grade chondrosarcoma

Ahmed Montasser, Egypt

S. E Anis, E. A Ishak

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Audit of key pathological parameters in pancreaticoduodenectomy specimens performed for pancreatic ductal adenocarcinoma in a national centre over an 11-year period

Jessica Maguire, Ireland

J. Yang, M. Cotter, J. Murphy, N. Swan

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Intraductal oncocytic papillary neoplasm of the pancreas associated with invasive carcinoma: case report

Rocio Del Pilar Lopez-Panqueva, Colombia

J. Andrade-Restrepo, A. Vera Torres, R. Andrade Perez

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Correlation of endosonography-guided fine needle aspiration cytology, and needle biopsy in the diagnosis of pancreatic lesions, at Fundación Santa Fe de Bogota, Colombia

Rocio Del Pilar Lopez-Panqueva, Colombia

H. Gonzalez, R. Pinto-Carta, A. Vera Torres, M. Mejía-Arango

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First presentation of amyloidosis diagnosed in a gallbladder specimen

Eleni Stoupi, Greece

D. Myoteri, K. Papadopoulos, A. Vezakis, D. Tiniakos

022

Pancreatic cavernous haemangioma – a welcome diagnosis for a pancreatic mass

Guilherme Fontinha, Portugal

J. Gama, R. Oliveira, M. Silva, M. Cipriano

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Pancreatoblastoma: a case report

Aysen Yavuz, Turkey

T. Kus, A. Alpsoy, Ö. Günizi, B. Unal, C. Başsorgun, G. Elpek

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Cholangiocarcinoma: fusions in FGFR2 detected in liquid biopsy

María Evangelina Patriarca, Spain

M. Coma, D. Naranjo Hans, M. Fernández Rodríguez, B. Bellosillo, L. Visa Turmo, B. Lloveras

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A very rare tumour in gallbladder: coexistence of large cell neuroendocrine carcinoma and intracholecystic papillary neoplasm

Ezgi Dicle Serbes, Turkey

S. Sevim, S. Tamam, S. Culcu, A. Unal, S. Kiremitci

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Solid pseudopapillary neoplasm of the pancreas in children: two cases of a rare entity

Carlota Mora, Portugal

F. Santos, R. Fonseca

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Sule Kevser Dursun, Turkey

S. Güneş, Z. Erdem, B. Saka, F. Ozden, S. Erdamar, İ. Yilmaz, V. Adsay, N. Dursun Kepkep

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Adenomyoma of the ampullary region: a malignancy mimicker

Safouane Frini, Tunisia

S. Mestiri, O. Belkacem, A. Bdioui, A. Baccouche, S. Hmissa

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Liver solitary fibrous tumour with simple biliary cyst: a radiological and histological diagnostic challenge

Federica Pedica, Italy

N. Ahmed, F. Falcinelli, F. Ratti, M. Colombo, C. Doglioni

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Invasive adenocarcinoma arising from an intraductal papillary mucinous neoplasm of the pancreas: a case report

Yosra Fejji, Tunisia

S. Mestiri, A. Baccouche, S. Frini, S. Hmissa

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Undifferentiated embryonal sarcoma of the liver (UESL), arising in mesenchymal hamartoma: report of two adult cases

Nazife Rumeysa Halepliler, Turkey

Z. Erdem, İ. Abdullahi, H. Kalaça, B. Yilmaz Özgüven, N. Dursun Kepkep

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Case report: secondary paraneoplastic hyperparathyroidism with brown tumour of the femur

Daniela Proca, USA

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Reclassification of papillary microcarcinoma (PMC) according to the "Porto proposal" criteria

Amen Dhaoui, Tunisia

S. Ben Rejeb, D. Aloui, M. Aloui,

A. Hachicha, H. Chouchen, S. Turki

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Utility of intraoperative frozen section analysis on Bethesda category III-IV-V thyroid nodules and the effect of concurrent imprint cytology

Ezgi Hacıhasanoglu, Turkey

F. Ozkan

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Update regarding the role of PD-L1 in oncocytic thyroid lesions on cytological samples

Pietro Tralongo, Italy

M. Dell'Aquila, A. Granitto, M. Martini,

M. Curatolo, V. Fiorentino, A. Pontecorvi,

M. Raffaelli, L. Larocca, E. Rossi

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Papillary carcinoma of thyroid gland with CA 19-9 positivity. A case report

Efthymios Koniaris, Greece

A. Mellou, E. Mortakis, M. Martzikou,

G. Kafri

008

Clinico-morphologic characteristics of thyroid cancer with follicular morphology

Ludmila Lozaneanu, Romania

C. Andriescu, I. Caruntu, S. Giusca, R. Danila,

A. Grigorovici, C. Preda, D. Ciobanu Apostol

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Poorly differentiated thyroid carcinoma, an unusual tumour in young patients. Report of two cases

Angela Borda, Romania

E. Szasz, D. Burlacu, A. Loghin, A. Nechifor-Boila

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Pituitary neuroendocrine tumours and non-neoplastic adenohypophysis arising in ovarian teratomas: a likely under-recognised phenomenon

Anjelica Hodgson, Canada

S. Ahmad Thirayai, O. Mete

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Poorly differentiated thyroid carcinoma associated with pleomorphic tumor giant cells: report of a challenging case

Emoke Andrea Szasz, Romania

A. Nechifor-Boila, D. Burlacu, R. Catana,

M. Vlad, A. Borda

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Gamna-Gandy bodies: a rare finding in a papillary thyroid carcinoma

João Almeida, Portugal

A. Costa Braga

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Papillary thyroid microcarcinoma-tall cell variant arising in mature cystic teratoma of the ovary – a case report

Samir Al Bashir, Jordan

M. Alorjani, I. Matalka, M. Alfaqih,

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Core-needle biopsy in the diagnosis of thyroid lesions – risky or diagnostically helpful?

Elwira Bakula-Zalewska, Poland

J. Długosinska, P. Góralski, J. Gałczyński,

M. Durzyńska, M. Chraszczewska, A. Stanek-

Widera, M. Prochorec-Sobieszek

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Predominantly necrotic but follicle-preserving pattern of a rectal cancer metastasis causing misinterpretation of cytological image from fine-needle aspiration biopsy of a thyroid tumour

Magdalena Biskup-Fruzynska, Poland

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Epithelioid angiosarcoma of the adrenal gland: a rare case report

Bilge Konuk, Turkey

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Micromorphometric parameters of the adrenal cortex of rats under conditions of constant lighting and chronic alcohol intoxication

Sergei Timofeev, Russia

Y. Kirillov, L. Makartseva, M. Kozlova, M. Muratova, E. Rusina, D. Areshidze

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Anaplastic thyroid carcinoma: a 12-year observational retrospective study

Robert Alexandru Barna, Romania

A. Jurescu, S. Taban, A. Muresan, A. Vaduva, V. Lupu, A. Dobrescu, B. Nataras, M. Bals, M. Cornianu

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Lipoadenoma of the thyroid with bizarre nuclei and signet-ring cells: a case report

Asma Fitouri, France

M. Bani, S. Cotteret, D. Hartl, L. Lamartina, V. Suci, J. Scoazec, A. Al Ghuzlan

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Adrenal "Pseudo-oncocyctic?" "Rhabdoid?" pheochromocytoma in a male suffering from Li-Fraumeni syndrome: What is it? A case report

Anand C Loya, Denmark

A. Bondgaard, M. Klose, K. Wadt, K. Qvortrup

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What is the name of this tumour: malignant thyroid teratoma or thyroblastoma?

Selim Sevim, Turkey

E. Çagdas, T. Baglan, D. Enneli, S. Dizbay Sak

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Next generation sequencing in follicular cell-derived thyroid carcinomas with poor prognosis

Maria Rosa Bella-Cueto, Spain

R. Carrera-Salas, Á. Bonilla-Sánchez, M. Cano-Hernández, M. Rodríguez-Millán, J. Vázquez-Luque, M. Ramos-Guijo, R. Onieva Carbajo, B. Bella-Burgos, F. Guirao-Garriga, C. Blázquez-Mañá

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Adrenal gland composite pheochromocytoma – ganglioneuroma: a case report

Anastasios Stofas, Greece

A. Patereli, K. Palamaris, H. Gakiopoulou, P. Korkolopoulou

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Papillary thyroid microcarcinoma: characteristics at presentation and evaluation of recurrence histological features

Mohamed Malek Hamzaoui, Tunisia

O. Belhadj, H. Azouz, B. Chelly, A. Ayari, A. Mediouni, A. Zehani, I. Chelly, K. Bellil, S. Haouet

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Reliability of frozen section thyroid examination: through a series of 536 cases

Farah Sassi, Tunisia

L. Bel Hadj Kacem, A. Blél, R. Aloui, A. Bani, N. Ben othman, M. Ksentini, N. Znaidi, S. Rammeh

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Squamous cell carcinoma of the ovary associated with endometriosis: a case report

Iraide Bernal Simón, Spain

M. Rezola Bajineta

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Malignant transformation of ovarian mature teratoma: a 20-year experience of Tunisian center

Nihed Abdessayed, Tunisia

A. Bchir, T. Tlili, S. Mabrouk, M. Mokni

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Ljubisa Jovanovic, Serbia

A. Nikolić, S. Dragicevic, M. Jović, R. Janković

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Expanding the spectrum of GLI1-activated mesenchymal tumours – a high-grade uterine sarcoma harbouring a novel PAMR1-GLI1 fusion

Lavisha S Punjabi, Singapore

R. Goh, K. Sittampalam

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Cervical carcinosarcoma: a rare case report

Sara Reis, Portugal

N. Castelo-Branco, C. Caramujo, R. Marques, G. Sousa, P. Figueiredo

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CD163 overexpression in serous ovarian carcinoma with calcification

Ruslana Chyzhma, Ukraine

A. Piddubnyi, R. Moskalenko

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An exceptional tumour of the vagina: case report

Ilhassan Elouarith, Morocco

R. Kabbaj, S. Ech-Charif, M. Khmou, Y. Mahdi, B. El Khannoussi

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A combined high grade serous carcinoma and carcinosarcoma arising in mature teratoma in ovary: a report of a case

Sun Young Kwon, Republic of Korea

J. Park, S. Kum, H. Shin, H. Lee, H. Jung, I. Hwang, M. Choe, S. Kim

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Alveolar rhabdomyosarcoma of adult uterine cervix: a rare case report

Jimin Park, Republic of Korea

S. Kum, H. Shin, H. Lee, H. Jung, I. Hwang, M. Choe, S. Kim, S. Kwon

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Coexistence of mature cystic teratoma of the ovary with endometrioid adenocarcinoma arising from a site of endometriosis: a case report of an extremely rare combined ovarian lesion

Chrysoula Gouta, Greece

C. Nikolaidou, I. Venizelos

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Gallbladder carcinoma recurs as uterine metastasis

Helen Trihia, Greece

M. Terzi, L. Karelis, M. Karagianni, O. Tzaida, C. Iavazzo

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Incidental primary (localized) extranodal ovarian follicular B-cell lymphoma (FL): a case report of a rare entity

Helen Trihia, Greece

L. Karelis, E. Souka, M. Dadakaridou, D. Giannouloupoulos, C. Iavazzo

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Immunohistochemical markers for uterine fibroids recurrence prediction

Alina Magnaeva, Russia

A. Asaturova, N. Tonoyan, I. Kozachenko, V. Kometova, L. Adamyan

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Endometrial stromal nodule in pregnancy – an unusual presentation of exceedingly rare tumour

Dana Tapoi, Romania

A. Dumitru, A. Iliesiu, M. Sajin, M. Costache, O. Munteanu

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Combined small cell and large cell neuroendocrine tumour of uterine cervix – a case report

Christos Valavanis, Greece

N. Novkovic, G. Stanc, G. Vorgias, M. Papazian, M. Sevastiadou, E. Souka

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Endometrial carcinoma with multiple metastases to the central nervous system: a case report with a comparative NGS analysis of the primary and metastatic tumours

Maysa Al-Hussaini, Jordan

A. Tbakhi, W. Naser, J. Amarín, A. Abi-Sheikha

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Determination of microsatellite instability with the Promega™ MSI Analysis System and the Idylla™ MSI assay on 31 endometrial carcinomas with deficiency of DNA mismatch repair

María Amanda Rodríguez Villena, Spain

N. Cadavid Fernández, A. Tenelanda Santillán, C. Ariño-Palao, M. Rosas Hernández, E. Moreno Moreno, I. Ruz Caracuel, P. García Abellás, I. Carretero Barrio, B. Pérez-Mies

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Ovarian teratoma associated with anti-N-methyl-D-aspartate receptor encephalitis

Kwang-Sun Suh, Republic of Korea

M. Yeo, S. Choi, K. Kim

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Serous cystadenofibroma and mature cystic teratoma. A rare case of collision tumours of the ovary

Gabriela-Monica Stanc, Greece

E. Souka, N. Novkovic, L. Karelis, G. Vorgias, C. Valavanis, H. Trihia

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The immunohistochemical validation of Bcl-2 family proteins in ovarian cancer

Anna Tregubova, Russia

A. Zamaraev, B. Zhivotovsky, G. Kopeina, A. Magnaeva, A. Asaturova

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Clinicopathological presentation and outcome of adult-type granulosa cell tumours of the ovary: a retrospective study of 24 patients

Meriam Triki, Tunisia

N. Ellouze, I. Saguem, M. Manai, W. Ghribi, T. Boudawara, M. Mellouli

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CD34 as a predictive marker for the effect of autologous platelet rich plasma and autologous endometrial cells in treating infertile women with thin endometrium

Anna Tregubova, Russia

A. Asaturova, A. Magnaeva, Z. Efendieva, P. Veshnyakova, I. Apolikhina, D. Artemova, K. Butov, E. Kalinina, T. Fedorova, T. Fatkhudinov, G. Sukhikh

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Mixed ovarian yolk sac tumour with mucinous carcinoma and ganglioneuroma in a postmenopausal female: a case report

Chun Yuen Chow, Singapore

S. Wong

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Primary peritoneal psammocarcinoma: a case report and review of literature

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K. Ben Lazreg, F. Khanchel, S. Fkih, R. Hedhli, R. Jouini, A. Chadli

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Solid mature teratoma associated with gliomatosis peritonei: a case report

Ricardo Rolim, Portugal

T. Resende, T. Cunha, F. Cunha, A. Felix

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The role of mast cells in the morphogenesis of cervical cancer

Andrey Filin, Russia

I. Sertakov, M. Popov, E. Verbitskaya, V. Shishkina

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Vaginal sarcoma with COL1A1- PDGFB fusion: a rare and newly described fibrosarcoma like neoplasm

Coca Mihaela Vieru, Spain

F. Alijo Serrano, B. López Martínez-Bernal, M. Cebollero Presmanes, A. Van Der Biezen, M. Villca Huayta, M. Abascal, P. Nuñez Ramos, C. Agra Pujol

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Indoleamine 2,3-dioxygenase expression in ovarian carcinoma

Sabrine Dhouioui, Tunisia

W. Babay, N. Boujelbene, S. Baroudi, H. Ouzari, K. Mrad, I. Zemni, I. Zidi

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Metastatic epithelioid trophoblastic tumour: a case report

Goncalo Martins Pereira, Portugal

M. Araújo, J. Ferreira

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Histological particularities of pulmonary phyllodes tumour metastasis: a case report

Issam Msakni, Tunisia

R. Aouadi, N. Mansouri, F. Gargouri, M. Ben Thayer, K. Tlili, B. Laabidi

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Uterin spindle cell mesenchymal neoplasm, NTRK fusion-positive uterine sarcoma

Bilge Konuk, Turkey

C. Topal

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Benign cystic mesothelioma: a rare case report

Bilge Konuk, Turkey

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E-cadherin and ber-ep4 expressions in tubal ectopic and intrauterine pregnancies

Cansu Sönmez, Turkey

N. Koç, B. Kaya

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Mixed adenoneuroendocrine carcinoma (MANEC) of the uterine cervix: unraveling its histogenesis

Andreia Coutada, Portugal
A. Cunha, C. Bartosch

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Primary carcinosarcoma of uterus. Case report and review of the literature

Leart Berdica, Albania
T. Bushati, E. Sukaj, A. Ndoja

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HER2 expression and mismatch repair status in endometrial clear cell carcinoma

Sila Yilmaz Erozbek, Turkey
Z. Bayramoglu, I. Ozdemir, V. Ulker,
B. Muezzinoglu

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Evaluation of PD-L1 expression in vulvar cancer

Ghada Sahraoui, Tunisia
M. Manai, N. Kouki, H. Douik, L. Charfi,
M. Bouhani, R. Mchiri, N. Ben Hamida,
K. Mrad, R. Doghri

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Vulvar fibroadenoma: a case report

Juliana Melo, Brazil
G. Oliveira Muniz, Y. Portela Velez, G. Torres
Alves de Carvalho, D. Nunes Oliveira,
G. Ferreira Morgantetti, G. Alencar Medeiros,
G. Azevedo Silveira, G. Barbosa Torres Bitu

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Ovarian mixed malignant Brenner-mucinous tumour: report of a unique case

Agnese Orsatti, Italy
L. Di Sciascio, D. de Biase, T. Maloberti,
G. Tallini, A. Corradini, F. Rosini, D. Santini,
A. De Leo

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An exceptional case of primary ovarian angiosarcoma

Luisa Di Sciascio, Italy
A. Orsatti, D. de Biase, T. Maloberti,
A. Corradini, F. Rosini, D. Santini, A. De Leo

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Clinicopathological features of two ultra-rare cases of malignant Perivascular Epithelioid Cell Tumours (PEComas) involving uterus

Bharat Rekhi, India
S. Menon

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Hydatiform mole: clinico-pathological characteristics in the central tunisian region

Nihed Abdessayed, Tunisia
Z. Nfikha, S. Mabrouk, A. Bchir, Y. Fejji,
M. Mokni

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Mixed Müllerian tumours of the ovary: a Tunisian case series

Nihed Abdessayed, Tunisia
Z. Nfikha, Y. Fejji, A. Bchir, S. Mabrouk,
M. Mokni

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Vitamin E reduces the suppression of estrogen receptors in the rat endometrium caused by exposure to heavy metals

Vladyslav Sikora, Ukraine
K. Sikora, M. Lyndin, R. Moskalenko,
Y. Lyndina, N. Hyriavenko, W. Awuah,
A. Romaniuk

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Clinicopathological features of clear cell carcinomas of the uterus: a single institutional experience, India

Neelam Bhandari, India
B. Rekhi, S. Chandwani, K. Deodhar,
S. Menon, N. Mittal, J. Ghosh, B. Dash,
A. Maheshwari

048

Mucinous borderline ovarian tumours: challenging diagnostic

Asma Fitouri, France
G. Sahraoui, F. Ben Daoued, O. Jaidane,
L. Charfi, H. Arbi, H. Azaiez, N. Nassraoui,
N. Boujelbene, I. Abbes, K. Mrad, R. Doghri

049

The role of eIF signaling in benign proliferative disorders of the endometrium

Tatiana Soultana Driva, Greece
M. Sobočan, C. Schatz, J. Haybaeck

050

Collision tumour: a rare case report

Betül Simsek, Turkey

E. Atik

051

High-grade endometrial carcinomas: diagnostic challenges

Ghada Sahraoui, Tunisia

A. Maaoui, R. Doghri, N. Kouki, L. Charfi, N. Boujelben, I. Abess, M. Ghalieb, R. Mchiri, N. Ben Hamida, K. Mrad

052

Microenvironment of endometrial cancer: are there new prognostic and theranostic biomarkers?

Ghada Sahraoui, Tunisia

M. Manai, A. Maaoui, H. Douik, I. Nasri, N. ben hamida, L. Charfi, K. Mrad, R. Doghri

053

Pregnancy luteoma: a rare lesion as an incidental finding. Case report

Geanella Geraldinne Yange Zambrano, Spain

G. Moreno De Juan, M. Del-Barrio-Molina, Y. Carreres-Ortega, J. Yange-Zambrano, H. Sarmiento-Moncayo, I. Gallego Gutiérrez

054

Chemotherapy and breast cancer gene (BRCA) mutation associate with quantified tumour infiltrating lymphocytes in high-grades serous ovarian carcinoma

Miguel Idoate, Spain

J. Machuca-Aguado, E. Rodríguez-Zarco, A. Conde, A. Gutierrez-Domingo, J. Rios-Martin

055

Langerhans cell histiocytosis: a case report and review of the literature

Denise Nunes, Brazil

A. Jucá Parente, B. Sobreira Camilo Soares, J. Melo, J. Lima Galvão, A. Cardoso Fernandes, I. Araújo e Silva, J. Nascimento

056

Small cell carcinoma of ovary, hypercalcaemic type: the synergism of immunostains and molecular studies

Sarit Aviel-Ronen, Israel

I. Schwartz, S. Caspi

057

Transitional cell neoplasm in both ovaries with serous tubal intraepithelial carcinoma-like lesion, ovarian origin or metastases?

Carmen Ariño-Palao, Spain

R. Meléndez Gispert, I. Carretero Barrio, P. García Abellás, I. González García, E. Moreno Moreno, B. Pérez-Mies, J. Palacios

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Haematopathology

001

Follicular lymphoma masquerading as Crohn's disease. A case report with literature review

Fan Foon Cheo, Singapore

004

Aggressive CD5 + MALT lymphoma in a patient from an ultrasound-guided minimally invasive autopsy: a case report

María García, Spain

C. Fuente-Díaz, A. Encinas-Muñiz, M. González-Gutiérrez, V. Blanco-Lorenzo, E. Colado, C. González del Rey-Rodríguez, J. Riera, M. Berrios-Hernández

005

Large B-cell lymphoma with IRF4 rearrangement involving lacrimal gland: a case report

Sei Na, Republic of Korea

K. Lee, G. Choe, Y. Jeon, J. Paik

006

HHV8-positive diffuse large B-cell lymphoma (DLBCL), NOS – a case report and review of the literature

Olympia Tzaida, Greece

E. Souka, G. Galanopoulos, M. Terzi, L. Karelis, M. Dadakaridou

007

Hidden mantle cell lymphoma

Tanja Lakic, Serbia

M. Šunjević, A. Ilic, A. Lovrenski, B. Krajnović, M. Panjković

008

A rare case of an Epstein-Bar virus positive mucocutaneous ulcer in the rectum of an HIV positive patient. A case presentation and review of literature

Aneeza Irfan, USA

V. Mateescu, K. Lankachandra

009

ALK-positive anaplastic large cell lymphomas (ALCL): our experience. Inter-observer variation in the interpretation of ALK immunohistochemistry staining

Macarena Ortiz, Spain

M. Veras, E. Revilla, E. Conde, C. Bárcena, I. Gallego-Gutierrez, J. Jiménez

010

Splenic Epstein-Barr virus (EBV) associated inflammatory pseudotumour (IPT)

Estefanía Vázquez, Spain

L. Molina, A. Sabio González, R. Luque Barona

011

A case of multicentric Castleman's disease mimicking non-Hodgkin lymphoma: when splenectomy is diagnostic and therapeutic

Deborah Marchiori, Italy

L. Campiotti, F. Sessa, S. Uccella

012

Auer rod-like inclusions in B lymphoblastic leukemia: a diagnostic quandary for the morphologist

Immanuel Paul Thayakaran, India

J. Sawhney

013

Multiple small bowel perforations: an aggressive haematological cause

Reema Rana, United Kingdom

H. Maddumage, J. Warnick, I. Bagwan

014

Acute myeloid leukemia presenting with an acute fibrinous and organizing pneumonia

Juliana Filipe, Portugal

E. Dutra

015

Composite mantle cell and diffuse large B-cell lymphoma

Juliana Filipe, Portugal

M. Rito, A. Ferreira, P. Gameiro, J. Cabeçadas

016

Testicular plasmacytoma. A case report and correlation with imaging findings

Evangelia Baliou, Greece

E. Psychogiou, P. Megas, D. Riga, K. Papadopoulou, A. konstantinidou, I. Vamvakaris

017

ALK-positive large B-cell lymphoma: a very rare and aggressive neoplasm

Coca Mihaela Vieru, Spain

F. Menarguez, J. Huerta Aragonés, C. Garrido Colino, F. Díaz Crespo

018

Beyond reactive lymphadenitis: what else can they tell us?

Diego Bueno Sacristán, Spain

P. García Abellás, I. Carretero Barrio, A. González Rodríguez, A. Santón Roldán, M. Reguero Callejas, M. García-Cosío Piqueras

019

Kikuchi-Fujimoto disease following COVID-19 infection: case report

Ana-Maria Ciongariu, Romania

A. Dumitru, I. Dandu, M. Sajin, M. Costache

020

Anaplastic large cell mymphoma ALK-negative-MSCL(E116K) mutation and novel in-frame fusion-gene EIF4E3-FOXP1

Anna Szumera-Cieckiewicz, Poland

A. Dansonka-Mieszkowska, K. Kurek, O. Kuczkiewicz-Siemion, J. Krzanowski, E. Paszkiewicz-Kozik, G. Rymkiewicz, A. Tysarowski, D. Jesionek-Kupnicka

021

Littoral cell angioma of the spleen: unexpected finding in splenectomy specimen. Case report and review of the literature

Geanella Geraldinne Yange Zambrano, Spain

G. Moreno De Juan, Y. Carreres-Ortega, G. Coronado-Vilca, E. Prados-Perez, J. Yange-Zambrano, R. Ramos-Asensio

022

Kikuchi-Fujimoto disease following vaccination against COVID-19: case report and review of the literature

Germán Moreno De Juan, Spain

A. Pérez Del Barrio, G. Yange Zambrano, E. Herrera Romero, S. Montes Moreno

023

Clinical implication of CD30 expression in De Novo Epstein Barr virus-positive diffuse large B-Cell Lymphoma NOS

Nabila Moulai, Algeria

R. Bennoui, M. Guermi, W. Ouahioune

024

Plasmacytoma of the testis as initial presentation of multiple myeloma: case report

Aneta Tanevska Zrmanovska,

B. Krsteska, G. Petrushevska

025

Atypical case of angioimmunoblastic T-cell lymphoma (AITL), cutaneous monoclonal plasma cell neoplasm and POEMS-like syndrome: a tricky confounding case

Rafaela De Paula, Brazil

V. Farnese, C. Ferreira, C. Oliveira, F. Costa, A. Lemos, G. Roberti, J. Pereira

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Head & Neck Pathology

001

Nasal glomangiomyoma

Doxakis Anestakis, Greece

M. Givannakis, G. Tsiropoulos, I. Dimitriadis, C. Charalampidis, P. Karkos

002

Primary intraosseous spindle cell carcinoma of the jaw bones: Is it a new histological entity?

Kimihide Kusafuka, Japan

M. Fukushima, S. Baba, M. Suzuki

003

Nasopharyngeal hairy polyp: a rare case report

Joana Madeira, Portugal

A. Alves, R. Almeida, M. Silva, M. Cipriano

004

Juvenile nasopharyngeal angiofibroma and familial adenomatous polyposis: an extraordinary case report

Joana Madeira, Portugal

B. Sepodes, M. Silva, M. Julião, M. Cipriano

005

A rare case of respiratory epithelial adenomatoid hamartoma of the nasal cavity

Helen Trihia, Greece

S. Laskaris, E. Souka, G. Stanc, G. Galanopoulos, L. Karelis

006

Pleomorphic adenoma of the parapharyngeal space. A common tumour in an uncommon location

Helen Trihia, Greece

S. Laskaris, M. Terzi, L. Karelis, I. Koutrafouris, G. Stanc

007

Primary small cell neuroendocrine carcinoma of the tonsil: a case report

Georgios Galanopoulos, Greece

E. Souka, S. Laskaris, M. Terzi, L. Karelis, O. Tzaida

008

A case of multiple cutaneous squamous cell carcinomas of the head and neck in a patient with primary lung adenocarcinoma

Yavor Topalov, Bulgaria

A. Vlahova, E. Aleksiev, M. Genadieva

009

NTRK-rearranged thyroid carcinomas with evidence of anaplastic transformation in lymph node metastases: clinico-pathological and molecular features

Israa Lamlouk, USA

010

Malignant melanoma metastasis in a parotid lymph node, without an identifiable primary site

Laura Banias, Romania

R. Chiciudean, I. Jung, D. Szava, Z. Kovacs, S. Gurzu

011

Viable adenosquamous carcinoma of the larynx after chemotherapy and radiotherapy – a case report

Gabriela-Monica Stanc, Greece

N. Novkovic, G. Galanopoulos, S. Laskaris, C. Valavanis, E. Souka

012

A GLI-1 full diagnosis – a case report of a GLI-1 re-arranged head and neck mesenchymal neoplasm

Hannah Walsh, United Kingdom

S. Khurram, L. Hook

013

Neuroendocrine large cell carcinoma with myoepithelial differentiation of the parotid gland – a case report

Gabriela-Monica Stanc, Greece

N. Novkovic, M. Sevastiadou, E. Kostopoulos, S. Stasinopoulou, C. Valavanis, E. Souka

- 014**
Odontogenic keratocysts in the setting of Nevoid Basal Cell Carcinoma Syndrome: a case report and literature review with an emphasis on CD56 immunohistochemistry analysis
Maria Alzamora, Portugal
J. Azevedo, J. Vaz Silva, R. Guimarães, P. Lopes, M. Jácome
- 015**
A rare tumour of the parotid gland: lymphoepithelial carcinoma
Müzeyyen Müge Savas, Turkey
M. Karabulut
- 016**
Filamin-A expression in laryngeal squamous cell carcinoma and its clinical significance
Abderrahman Ouban, Saudi Arabia
- 017**
An unusual case report of carcinoma ex pleomorphic adenoma with double morphology: salivary duct carcinoma and squamous cell carcinoma
Monika Durzynska, Poland
J. Zwolinski, K. Seliga, I. Michatek, E. Bakula-Zalewska
- 018**
Sinonasal glomangiopericytoma; a case report and histopathological overview
Hansavika Maddumage, United Kingdom
R. Rana, T. Wijesiri, S. Sunkaraneni, I. Bagwan
- 019**
Submandibular adult type rhabdomyoma – a case report
Ana Alves, Portugal
R. Almeida, C. Courelas, J. Madeira, J. Gama, M. Cipriano
- 020**
Primary nasopharyngeal papillary adenocarcinoma: report of a rare entity and review of the literature
Soumaya Graja, Tunisia
C. Chaari, I. Saguem, M. Manai, O. Boudawara, M. Mnejja, T. Boudawara, R. Kallel
- 021**
Human papillomavirus-related multiphenotypic sinonasal carcinoma: a report of three cases
Jong-Hee Nam, Republic of Korea
Y. Choi
- 022**
High-grade transformation of acinic cell carcinoma with amplification of HER2 gene
Chung-Yen Huang, Taiwan
Y. Lee, M. Hsieh
- 023**
Desmoplastic small round cell tumour of parotid gland: a rare case report
Nayana Chandran, India
K. Sigamani
- 024**
Mandibular osteosarcoma: a retrospective study with review of the literature
Saadia Makni, Tunisia
Y. Loukil, M. Triki, I. Saguem, C. Chaari, W. Ghribi, T. Boudawara, M. Mellouli
- 025**
Benign smooth muscle proliferations of the tongue. Retrospective cohort study of a case series in a 31-year single institution
Monica Bronte Anaut, Spain
J. Arredondo Montero, A. Larrea, G. Aísa Rivera, A. Echegoyen Silanes, J. Elizalde Eguinoa, P. Fernandez Seara
- 026**
Diagnostic challenge: rare secretory carcinoma subtype identified in a parotid carcinoma ex pleomorphic adenoma
Iris-Mara Mergeanu, Romania
O. Patrascu, A. Voinovici, M. Sajin, M. Costache
- 027**
Unique initial manifestation of salivary gland adenoid cystic carcinoma as a solitary liver metastasis
Dina Tiniakos, Greece/UK
D. Myoteri, E. Stoupi, J. Koskinas

028

Spindle cell lipoma in an unusual location, a case report

Mihaela Madalina Buda, Spain

É. Iglesias Martinez, N. Santiago Quispe, A. Martinez Aracil, A. Sifre Ruiz, A. Ruiz de Angulo Otxaran, M. De Diego Rivas

029

Nasal chondromesenchymal hamartoma; a rare case report

Sergen Yagci, Turkey

E. Ziadinov, E. Yılmaz Akçay, S. Mustafayeva, M. Tepeoğlu, B. Özdemir

030

Bilateral subgemmal neurogenous plaque of the tongue: a case report

Sergen Yagci, Turkey

L. Hasanaliyeva, E. Yılmaz Akçay, A. Ok Atılğan, A. Zeynalova

031

Mammary analog secretory carcinoma of parotid gland, report of two cases

Sergen Yagci, Turkey

E. Yılmaz Akçay, A. Ok Atılğan, B. Özdemir, Ö. Günhan

032

Malignant peripheral nerve sheath tumour arising from melanotic schwannoma: a case report and literature review

Soumaya Graja, Tunisia

M. Mellouli, S. Makni, W. Ben Makhlof, N. Gouiaa, S. Charfi, T. Boudawara, M. Manai

033

Cavernous venous malformation of the orbit: a series of 16 cases and review of the literature

María Emilia Brizzi, Spain

S. López-Muñoz, I. Colmenero, E. Ruiz-Bravo

035

Thyrolipoma, a case report with literature review

Zainab Lajmi, Tunisia

T. Tlili, S. Mabrouk, Y. Fejji, B. Sriha, M. Mokni

036

Mesenchymal chondrosarcoma of maxillary bones: two case reports

Asma Fitouri, France

P. Khneisser, M. Classe, C. Ngo, S. Cotteret, O. Casiraghi

037

Solitary neurofibroma of maxillary sinus expanding to nasal cavity and orbit

James Philip Skliris, Greece

S. Papadopoulou, K. Marini, N. Pastelli, I. Dimitriadis, I. Matzarakis, S. Papaemmanouil

038

A forgotten entity in parotid gland lesions differential diagnosis – a case report

Sofia Antunes, Portugal

C. Dahlstedt Ferreira, R. Oliveira, M. Lopes Oliveira, D. Gomes Pinto

039

Rhinocerebral mucormycosis: a report of 11 cases

Sirine Elfekih, Tunisia

M. Ben Thayer, F. Khanchel, I. Helal, R. Hedhli, E. Ben Brahim, R. Jouini, A. Chadli

040

Adenomatoid hyperplasia of minor salivary glands – a case report

Emanuel Caranfil, Romania

C. Cucu, A. Nicolau, D. Ciobanu-Apostol

041

Oral carcinoma cuniculatum: a diagnostic challenge

Nursah Ari, Turkey

Ç. Oysu, L. Cinel

042

Primary mucosal melanoma of the nasal cavity, report of 5 cases

Zainab Lajmi, Tunisia

T. Tlili, S. Mabrouk, Y. Fejji, B. Sriha, M. Mokni

044

Persistent epistaxis – a neoplastic differential

Miguel Rodrigues, Portugal

R. Ilgenfritz

045

A review of adenoid cystic carcinoma patients in Ireland

Karina Kulakova, Ireland

R. O'Shea, C. Hegarty, C. Andrieu, S. Brennan, P. Casserly, S. Kennedy

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History of Pathology

001

The relic of the Blessed Maria Lorenza Longo founder of the "Hospital of the Incurables" in Naples. A paleopathological and paleoradiological study

Claudio Bellevicine, Italy

A. Brunetti, G. Troncone, L. Ventura, M. Traversari

002

The Neapolitan Hospital for Incurables and the life and work of Domenico Cotugno

Mirella Marino, Italy

E. Manzillo

003

From war to earthquake. 100 years of Institute of Pathology University of Zagreb School of Medicine

Sven Seiwerth, Croatia

D. Galešić Ljubanović, M. Kolić, S. Sikirić

004

Influence of the French geodesic mission in the first microscopic findings in Ecuador

Sofía Hincapié, Ecuador

S. Egüez, M. Cruz, A. Orellana, G. Zuñiga

005

N.I. Pirogov and the doctrine of vessels and vascular pathology

Tatyana Sotnikova, Russia

M. Mnikhovich, A. Romanov, T. Bezuglova

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Infectious Diseases Pathology

001

Features of the cell composition of the inflammatory infiltrate in different phases of diffuse alveolar lung damage with COVID-19

Vladimir Rodionov, Russia

A. Avdalyan, O. Zairat'yants, D. Konovalov, D. Protsenko

002

Immunohistochemical profile of control cell cycle, proliferation and differentiation proteins of atypical alveolar epithelium with diffuse alveolar damage caused by COVID-19 in comparison with lung lepidic adenocarcinoma

Nikita Boriskin, Russia

A. Avdalyan, M. Koryukov, A. Shilov, I. Oskorbin, D. Protsenko, M. Filipenko

003

COVID-19 associated mucormycosis: a case series

Alon Vigdorovits, Romania

O. Tica, S. Terniceanu, A. Ardelean, C. Venter, E. Roșca, A. Venter

004

Clinico-morphological peculiarities in cases of COVID-19 infection combined with diabetes mellitus

Anna Voronina, Russia

O. Reshetnikova, A. Ermakov, L. Rudiuk, S. Morozov

005

Morphological characteristics of kidneys damage induced by SARS-COV-2

Olga Reshetnikova, Russia

A. Ermakov, L. Rudiuk, S. Morozov

006

Lethal case of schizophrania with generalized chlamydia infection

Vsevolod Zinserling, Russia

N. Lugovskaya, N. Semenova

007

Clinico-pathological analysis in lethal cases due different genotypes of coronavirus

Vsevolod Zinserling, Russia

M. Vashukova, A. Komissarov, D. Lioznov

008

Strongyloides stercoralis – a rare sighting in a gastroduodenal biopsy

Alexandru-Nicodim Ardelean, Romania

A. Vigdorovits, O. Tica

009

Cellular phenomenon of lymphoid cells with Roussel bodies and "flaming" cells in spleen tissue of patients who died of COVID-19

Andrey Filin, Russia

M. Bobrovskikh, A. Bobrovskikh

011

Hydatid cyst of the spleen: retrospective study and review of the literature

Saadia Makni, Tunisia

Y. Loukil, M. Manai, I. Saguem,
C. Kammoun, R. Kallel, T. Boudawara,
M. Mellouli

012

Peritoneal tuberculosis: a challenging diagnosis

Omar Mnif, Tunisia

R. Ayadi, E. Braham, M. Mlika, A. Rais,
O. Ismail, A. Ayadi, F. El Mezni

013

Hemophagocytic lymphohistiocytosis in trephine biopsy of a living post-COVID-19 patient

Maria Strataki, Greece

M. Ioannou, K. Zacharouli, S. Doukas,
M. Diamantidis, V. Tsangari, P. Doukas,
K. Karakousis, G. Koukoulis, D. Vageli

014

COVID-19 and small bowel ischemia: immunohistochemical positivity for SARS-CoV-2 in endothelial and inflammatory intestinal cells. A review of two cases

Geanella Geraldinne Yange Zambrano, Spain

G. Moreno De Juan, P. Martín-Soler,
M. Del-Barrio-Molina, G. Coronado-Vilca,
E. Prados-Perez, M. Martinez-Ortega

015

Primary lymph node actinomycosis, a case report

Samiha Mabrouk, Tunisia

T. Tlili, Z. Lajmi, Y. Fejji, A. Ben Abdelkader,
B. Sriha, M. Mokni

016

The diagnosis of non-tuberculous mycobacterial infections on formalin fixed paraffin embedded tissues: a retrospective analysis

Moshawa Khaba, South Africa

L. Ndam, N. Makhado

017

Immunohistochemistry (IHC) for SARS-CoV2-identification of monoclonal antibodies (mAbs) to nucleoprotein, S1- and S2-spike protein subunits and analysis of differential expression of viral proteins in formalin-fixed paraffin-embedded specimens

Achim Jungbluth, USA

W. Travis, D. Frosina, J. Bagha,
E. Hernandez, J. Sauter, M. Szabolcs

018

Analysis of pathological changes in spontaneous abortions in pregnant women with IgM positive for Dengue, Chikungunya, Zika or with positive treponemal test for syphilis

Denise Nunes, Brazil

B. Sobreira Camilo Soares, A. Jucá Parente,
J. Melo, A. Melo Cavalcante, R. Freitas de Almeida, G. Silva Bastos, R. Vasconcelos de Paula, P. Jorge Pires Viana, L. Cavalcante Alves, J. Vieira e Freitas Lourenço, L. Bedê Bruno, M. Macêdo Militão Mendonça, G. Benevides Lima

E-PS-14**E-Posters****IT in Pathology / Computational Pathology Symposium****001**

Short training significantly improves ganglion cell detection using an algorithm-assisted approach

Dov Hershkovitz, Israel

A. Greenberg, B. Samuelli, I. Fahoum,
S. Farkash, O. Greenberg, V. Zemser-Werner,
E. Sabo, R. Hagege

002

Artificial intelligence in dermatopathology: can an algorithm replace the pathologist?

Gerardo Cazzato, Italy

A. Massaro, A. Colagrande, A. Vacca,
E. Maiorano, G. Ingravallo, L. Resta

003

Use of Anki flashcards tool for reviewing pathology and radiology of medicine contents

Juliana Melo, Brazil

L. Mosca de Carvalho Pinheiro, V. Tavares Morais, L. de Albuquerque Rocha, V. de Sousa Araújo Farias, V. Sena Apolinário, G. Cruz Monteiro, P. Lucena de Aquino, B. Vitória Mota barbosa, D. Nunes Oliveira, N. Selma Santos Costa

004

Application of image analysis based algorithm for quality control of immuno-histochemical staining

Dov HersHKovitz, Israel

O. Greenberg, R. Hagege, I. Hayun

005

Homology-based approach for pathological diagnosis of prostatic cancer

Yoshinori Nomura, Japan

K. Uchida, K. Nakane, M. Nishio, M. Ishizawa

006

Efficacy and efficiency of a mitosis detection tool in invasive breast cancer

Clara Simmat, France

L. Guichard, S. Sockeel, N. Pozin, M. Lacroix-Triki, C. Miquel, M. Sockeel, S. Prévot

007

Unsupervised stain adaptation in invasive carcinoma classification for breast histopathology using CycleGANs

Nicolas Nerrienet, France

R. Peyret, M. Sockeel, S. Sockeel

008

Detection of microcalcifications in whole slide images: a comparison between image processing and deep learning approaches

Marceau Clavel, France

N. Pozin, S. Sockeel, M. Sockeel, C. Miquel

009

Understanding batch variation within a cohort before digital pathology analysis of multiplex immunofluorescence in colorectal cancer

Irene Carretero Del Barrio, Spain

A. Viratham Pulsawatdi, K. McCombe, V. Bingham, J. James, M. Salto-Téllez, S. Craig

010

Abnormal differentiation of follicular helper CD4 T (TFH) cells in systemic lupus erythematosus; an imaging perspective

Constantinos Petrovas, Switzerland

K. Ioannidou, D. Comte, A. Clottu, L. de Leval

011

Digital Pathology reporting of breast core biopsies in Malaysia

Thanikachalam Pasupati Meenakshi, Malaysia

012

Classification of histological features based on IHC staining heterogeneity within tumours

Hilde Smits, The Netherlands

L. Ruiter, G. Breimer, S. Willems, M. Philipens

013

A thyroid cytology case report using Google Lens for the diagnosis

Filipa Pereira, Portugal

C. Padrão, J. Tinoco, A. Gonçalves Pereira, A. Alves

014

A robust, centerwise-adaptive hybrid machine learning approach for HER2 scoring

Saima Ben Hadj, France

R. Fick, C. Bertrand, A. Moshayedi, V. Di Proietto

015

Blended learning in histology using a virtual microscope: from adaptation to adoption at the University of Geneva

Laurence Borgs, Belgium

P. Soulié, J. Perrin-Simonnot, R. Hoyoux, G. Vincke

016

The application of artificial intelligence in the diagnosis of prostate cancer

Roman Moskalenko, Ukraine

A. Dovbysh, T. Savchenko, A. Romaniuk

017

An automated deep learning based mitotic cell detection and recognition in whole slide invasive breast cancer tissue images

Berkan Darbaz, Turkey

S. Cayir, G. Solmaz, H. Kusetogullari, F. Tokat, E. Bozaba, S. Karakaya, L. Iheme, E. Tekin, C. Yazici, G. Ozsoy, S. Ayalti, K. Kayhan, U. Ince, B. Uzel, O. Kilic

018

Comparison of different nuclear segmentation algorithms on the digital image of HER2 FISH labeled breast cancer tissue sample

Annamaria Csizmadia, Hungary

V. Jonas, R. Paulik, T. Krenacs, B. Molnár

019

Development and assessment of single-cell image classification systems for hematological cytomorphology using convolutional neural networks

Christian Matek, Germany

020

A reinforcement learning approach for automated scoring of immunohistochemically stained mismatch repair genes

Manahil Raza, United Kingdom

R. Awan, R. Bashir, T. Qaiser, D. Snead, N. Rajpoot

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Molecular Pathology

001

Intratumoural heterogeneity with different resistant subclones in a treatment resistant gastrointestinal stromal tumour revealed through a novel tissue masking technology

Xiu Fen Chen, Singapore

T. Tay, G. Tan, R. Goh, J. Butler, T. Lim

002

Cellular and cell-free targetable mutations in non-small cell carcinoma: a comparative study

Niraj Kumari, India

R. Paturu, R. Lingaiah, S. Singh, N. Krishnani

003

Prediction of biochemical recurrence in TMPRSS2-ERG-positive prostate cancer by neural network based on pathway enrichment

Vladislav Pavlov, Russia

A. Kobelyatskaya, E. Pudova, A. Snezhkina, K. Nyushko, D. Kalinin, G. Krasnov, A. Kudryavtseva

004

Is next generation sequencing the new golden standard for ALK testing? The diagnostic journey of an atypical case

Radu Pirlog, Romania

N. Piton, F. Marguet, A. Lamy, J. Sabourin

005

Extractions made easy: fully automated extraction and quantitation of nucleic acid using GenexusTM purification system and ready to use consumables

Thilanka Jayaweera, USA

N. Siepert, B. Hradecky, E. Ostrowska, T. Delacour, K. Bramlett

006

Novel diagnostic value of driver gene transcription signatures to characterise clear cell renal cell carcinoma, ccRCC

Zsuzsanna Ujfaludi, Hungary

L. Kuthi, G. Pankotai-Bodo, S. Bankó, F. Sükösd, T. Pankotai

007

Pulmonary Adenocarcinoma: RET mutation in cfDNA NGS interpretation – case report

Lina Carvalho, Portugal

A. Ladeirainha, A. Alarcão, M. Silva, T. Ferreira, A. Rodrigues, C. Vilasboas, V. Sousa

008

Predictive testing in stage-IV NSCLC within a network of collaborating hospitals

Betzabel Cajiao Garcia, The Netherlands

A. van der Wekken, S. Willems, L. van Kempen, E. Schuurin

009

Assessment of gDNA yield obtained from FFPE samples and from scraped histological and cytological slides of patients with lung adenocarcinoma

Leila Antonangelo, Brazil

F. Mangone, M. Agati, A. Pavanelli, M. Nagai, L. Kulikowski, V. Figueiredo, C. Faria

011

OpenHRD – an open source platform for calculation of homologous recombination deficiency scores from OncoScan microarrays

Ariadna Lara Gutierrez, Austria

S. Sauer, K. Kashofer

013

Evaluation of PD-L1 expression in various formalin-fixed paraffin embedded tumor tissue samples using SP263, SP142 and QR1 antibody clones

Katerina Kubelka-Sabit, North Macedonia

D. Jashar, V. Filipovski, M. Kondeva

014

A rare case of neuroendocrine transdifferentiation in cutaneous melanoma

Shawn Baldacchino, Malta

D. Pisani, J. Scerri

015

Precision proteomics for the characterization of follicular-patterned thyroid neoplasms entities

Davide Seminati, Italy

I. Piga, G. Capitoli, L. Principi, V. L'Imperio, G. Casati, S. Galimberti, F. Magni, F. Pagni

016

The impact of pre-analytical factors on DNA quantification

Lydia El Moutaoukkel, Morocco

R. Ben Tayeb, I. Toughrai, B. Benjelloun, S. Bardai, L. Chbani

017

Monitoring PIK3CA molecular heterogeneity in breast cancer using liquid biopsy

Pablo Santiago Díaz, Spain

I. Vázquez, L. Comerma, L. Camacho, R. Longarón, S. Servitja, B. Lloveras, B. Bellosillo, S. Clavé

018

Assessment of EGFR mutation status in Tunisian series of non-small cell lung carcinomas

Farah Sassi, Tunisia

M.A. Mezni, M. Ben Rekaya, L. Bel Hadj Kacem, R. Aloui, N. Ben Othman, A. Bani, M. Ksentini, N. Znaidi, S. Rammeh

019

About a gastric GIST with co-occurrence of mutations in exons 9 and 11 of the c-kit gene

Farah Sassi, Tunisia

M. Ben Rekaya, F. Ksentini, A. Hmayeda, L. Bel Hadj Kacem, R. Aloui, M. Ksentini, M. Trabelsi, A. Blel, N. Znaidi, S. Rammeh

020

Liquid biopsy: new technical approaches to tumour evaluation

Gulsim Smagulova, Kazakhstan

S. Yessentayeva, A. Tulepbayeva, Z. Ilyanova, N. Nurgaliev

E-PS-16

E-Posters

Nephropathology

001

Collapsing glomerulopathy associated with Covid-19 diagnosed one year after SARS-CoV-2 infection: a case report of an emerging entity

Chrysoula Gouta, Greece

C. Nikolaidou, F. Iatridi, M. Stangou, I. Venizelos

002

A tale of a transplant: renal allograft granulomatous interstitial nephritis in early post-transplant period

Aasma Nalwa, India

S. Kumar, U. Rani, N. Bajpai, M. Chaturvedy, R. Jhorawat, V. Vishwajeet, M. Rao

003

Histological findings in a prospective cohort of transplant patients with screening for development of donor-specific antibodies

Candice Roufousse, United Kingdom

F. Toulza, E. Santos, K. Spensley, S. Lewis, J. Beadle, A. McLean, T. Cairns, M. Willicombe

004

The importance of renal biopsy in hematological neoplasms. A particular diagnosis

Inmaculada Sánchez Ramírez, Spain
F. Leiva-Cepas, J. Osuna Soto, M. Gálvez Medina, A. González-Menchén

005

Renal biopsy findings following complement C5 inhibitor Ravulizumab treatment in a patient with C3 glomerulonephritis

Sandor Turkevi-Nagy, Hungary
B. Iványi, Z. Prohászka, D. Jakab, C. Bereczki

006

An atypical case of melanin deposition in kidney

Selim Sevim, Turkey
E. Isiktas Sayilar, I. Ergün, S. Kiremitci

007

An unusual case of diffuse lupus nephritis with features suggestive of overlapping cryoglobulinemic glomerulonephritis

George Terinte-Balcan, Romania
G. Stefan, S. Stancu, S. Cinca, M. Gherghiceanu

008

Late post-transplant focal segmental glomerulosclerosis after covid-19: causal factor or recurrence of primary disease?

Julio Osuna Soto, Spain
F. Leiva-Cepas, I. Sánchez Ramírez, M. Gálvez Medina, R. Ortega Salas

009

Tubulointerstitial nephritis and uveitis (TINU) syndrome: a case series

Anastasios Stofas, Greece
K. Palamaris, M. Destouni, A. Patereli, H. Theodoropoulou, C. Paliouras, K. Stylianou, H. Gakiopoulou

010

Tubulointerstitial nephritis and eosinophilia in renal biopsy. Prognostic marker?

Fernando Leiva-Cepas, Spain
C. Muñoz Martínez, M. Gálvez Medina, I. Sánchez Ramírez, R. Ortega Salas

011

The usefulness of IgG4 immunohistochemical staining in differentiation of idiopathic and secondary membranous nephropathy

Maja Životić, Serbia
M. Tubić, I. Filipović, G. Nikolić, S. Radojević Škodrić, D. Dunderović, J. Filipović, J. Marković Lipkovski

E-PS-17

E-Posters

Neuropathology

001

Novel CLPTM1L-TERT fusion in an IDH-wt WHO Grade 4 left frontal glioma radiologically masquerading as a pilocytic astrocytoma

Siang Hui Lai, Singapore
P. Tang, X. Chen, B. Loke

002

Pleomorphic xanthoastrocytoma BRAF wildtype, grade 3 – an unique entity in a young patient

Carlos Faria, Portugal
F. Ramalhosa, J. Gama, J. Madeira, B. Sepodes, C. Courelas, O. Rebelo

003

One year of neuropathology during the pandemic – a review of central nervous system tumours diagnosed at the Bagdasar-Arseni Hospital, Bucharest during 2021

Diana Pasov, Romania
C. Cocosila, M. Lisievici

004

Simple subependymal cyst derived from the floor of the third ventricle: a case report of an extremely rare midbrain location

Chrysoula Gouta, Greece
N. Flaris, V. Tsitouras, P. Monioudis, I. Venizelos

005

Anatomical distribution of cancer stem cells between enhancing nodule and FLAIR hyperintensity in supratentorial glioblastoma: time to recalibrate the surgical target?

Giuseppe Broggi, Italy
R. Altieri, F. Certo, G. Barbagallo, R. Caltabiano

006

Frontal intraosseous leiomyoma: an unusual case in a 15-months infant

Nada Mansouri, Tunisia

M. Ben Thayer, F. Gargouri, R. Aouadi, K. Tlili, I. Msakni, B. Laabidi

007

Myxopapillary ependymoma: a case report and literature review

Anna Sifre Ruiz, Spain

V. Caamaño, E. Camacho, A. Martínez Aracil, È. Iglesias, N. Santiago, M. Buda, A. Ruiz de Angulo Otxaran

008

Aggressiveness of astrocytoma IDH-mutant

Cristian Ionut Orasanu, Romania

M. Deacu, A. Docu, S. Popescu, S. Topliceanu, M. Aschie, M. Bosoteanu, G. Cozaru, R. Voda

009

Accuracy of anti-PHH3 antibody in meningioma grading

Nada Mansouri, Tunisia

M. Ben Thayer, F. Gargouri, K. Takout, R. Aouadi, K. Tlili, I. Msakni, B. Laabidi

010

A case of type 2 neurofibromatosis

Madalin-Cosmin Filip, Romania

C. Socoliuc, A. Bastian, M. Craciun, D. Raduta, E. Ignat

011

Supratentorial ependymoma, ZFTA fusion-positive: report of a new entity

Manel Mellouli, Tunisia

F. Kolsi, I. Saguem, O. Boudawara, L. Ayadi, T. Boudawara, S. Makni

012

Glioblastoma associated with a primitive neuroectodermal tumour of the brain as a poorly differentiated dimorphic malignant tumour in a 38-year-old man. A rare case report

Alexander Romanov, Russia

M. Mnikhovich, D. Pastukhova, T. Bezuglova, S. Snegur, L. Erofeeva, I. Shiripenko, O. Sidorova

013

FET-CREB fusion positive intracranial mesenchymal tumour: a case report

Havva Gokce Terzioğlu, Turkey

F. Söylemezoglu, B. Babaoglu

014

Brain metastasis of exceptional origin: retrospective study in a single institution

Manel Mellouli, Tunisia

S. Graja, F. Kolsi, S. Makni, C. Kammoun, C. Chaari, S. Charfi, T. Boudawara, R. Kallel

015

Two cases of MN1-PATZ1 rearranged neuroepithelial tumours with different histopathological and clinical features

Zita Reisz, United Kingdom

A. Afshari-Mehr, S. Nevis, L. Bhaw, R. Laxton, B. Clark, B. Zebian, J. Lavrador, F. Vergani, R. Bhango, F. Carceller, S. Al-Sarraj, I. Bodi

016

Confusing intracranial calcified lesion

Mohamed Malek Hamzaoui, Tunisia

A. Zehani, S. Bouali, B. Chelly, A. Ayari, O. Belhadj, I. Chelly, H. Azouz, K. Bellil, S. Haouet

017

When the biomarkers decrease and the tumour increases: a case of intracranial growing teratoma syndrome

Fátima Ramalhosa, Portugal

I. Luz, A. Carvalho, J. Soares, O. Rebelo

018

WHO 2021 histopathological grading of atypical and anaplastic meningiomas

Ismail Guzelis, Turkey

F. Cakalagaoglu, I. Sevin, B. Yenen

019

Low-grade glioneuronal tumour with neuropil-like islands and FGFR1 mutation, a case report

Maysa Al-Hussaini, Jordan

A. Maswadeh, H. Sultan, B. Maraqa

020

Dysplastic gangliocytoma of the cerebellum (Lhermitte-Duclos disease): a rare case report

Zainab Lajmi, Tunisia

A. Bdioui, M. Krifa, W. Majdoub, A. Baccouche, S. Hmissa

021

Cerebellar liponeurocytoma: clinical and pathological analysis

Meriam Alaya, Tunisia

B. Chelly, A. Ayari, H. Azouz, A. Zehani,
I. Chelly, K. Bellil, S. Haouet

022

Atypical presentation and no concordant methylation class of a paediatric high-grade astrocytoma with piloid features (HGAP)

Tamara Sanhuesa Alzamora, Spain

M. Suñol, C. Rovira, S. Planas, A. Zucchiatti,
C. Lavarino, M. Pavon, O. Cruz, M. Rebollo,
J. Hinojosa, C. Jou

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E-Posters

Ophthalmic Pathology

001

Pseudoglandular hyperplasia of the conjunctiva: report of a rare entity

Soumaya Graja, Tunisia

S. Ben Tekaya, M. Rekik, O. Boudawara,
M. Mellouli, A. Trigui, T. Boudawara,
R. Kallel

002

Spindle cell hemangioma, an unusual presentation

Aysen Yavuz, Turkey

C. İ. Başsorgun, M. Çelik, Z. Bayramoglu,
B. Unal, E. Türkoğlu Şen, G. Elpek

E-PS-19

E-Posters

Other Topics

001

Slide-free imaging of fresh bulk H&E-stained tissue using multiphoton microscopy

Matthias Strauch, Germany

J. Kolb, C. Rose, N. Merg, J. Hundt,
C. Kümpers, S. Perner, S. Karpf, R. Huber

002

Three-dimensional observations of metastatic cancer cells in body fluids using label-free optical diffraction tomography

Uiree Jo, Republic of Korea

J. Jeong, T. Kim, T. Kim, M. Kim, S. Jang,
J. Song, C. Pack

003

Modifying bioeffects of posturan incorporation

Andrey Filin, Russia

Z. Vorontsova, S. Selyavin, E. Kudaeva

004

Conceptions of learning factors in undergraduate medical students. Teaching directed by threshold concepts

María José Gálvez Medina, Spain

F. Leiva-Cepas, I. Cantarero Carmona,
A. Sanz Zorrilla, R. Ortega Salas

006

Pathological anatomy as an innovative teaching experience in biology students

Fernando Leiva-Cepas, Spain

M. Gálvez Medina, A. Sanz Zorrilla, J. Osuna
Soto, R. Ortega Salas

008

Male breast cancer with synchronous renal cell carcinoma: a rare presentation

Samiha Mabrouk, Tunisia

W. Majdoub, A. Baccouche, M. Krifa,
A. Bdioui, O. Belkacem, S. Mestiri, S. Hmissa

E-PS-20

E-Posters

Paediatric and Perinatal Pathology

001

Nephroblastoma associated with nephroblastomatosis: a study of 6 cases

Nihed Abdessayed, Tunisia

A. Bchir, N. Ben Abdeljelil, M. Mokni,
A. Zakhama

002

Multifocal Epstein-Barr virus-associated smooth muscle tumour in an immunosuppressed child with a transplanted liver

Noel Chia, Singapore

D. Lian

003

Tuberous sclerosis complex: case report and literature review

Maria Garcia Martos, Spain

C. Vieru, Y. Gómez Navarro

004

Clinical and morphological correlations during pregnancy in conditions of circulatory hypoxia

Olga Reshetnikova, Russia

L. Rudiuk

005

Neonatal kidney as a rare site of extramedullary hematopoiesis

Milena Jovanovic, Serbia

G. Nikolić, T. Terzic, S. Glumac

006

Foetal arthrogryposis in twin gestation: case report and literature review

Yesica Gómez Navarro, Spain

M. Garcia Martos, C. Vieru, A. Panizo

007

The attitude and general knowledge concerning perinatal autopsy in midwifery bachelor students and hospital midwives in internet querend

Jacek Gulczyński, Poland

M. Michalski, S. Goertz, E. Izycka-Swieszewska

008

Placental incidental finding in a context of a giant congenital melanocytic nevus – a case report

Andrei Leuca, Belgium

V. Segers, C. Dangoisse, A. Raat

009

Spinal neurenteric cyst: a case report

Issam Msakni, Tunisia

R. Aouadi, N. Mansouri, F. Gargouri, M. Ben Thayer, K. Tlili, B. Laabidi

011

Oral carcinoma cuniculatum in childhood: a rare entity

Anas Chaachou, Spain

R. de Carvalho-Ovalles, C. Haro-Haro, M. Alberola-Ferranti, M. Garrido-Pontnou, A. Navarro-Jiménez, J. Camacho

012

Exencephaly in 23-week-old foetus with placental anomaly

Aysen Yavuz, Turkey

N. Unal, C. Sanhal, H. Toru

013

Evaluation of the recurrency risk of basal plate myometrial fibers

Filipa Rosa, Portugal

S. Guimarães

014

Hamartoma of mature cardiac myocytes: a case report

Havva Gokce Terzioğlu, Turkey

D. Orhan, T. Karagoz, H. Aykan

015

VACTERL association: report of a case with additional congenital malformations

Vânia Almeida, Portugal

C. Courelas, C. Cerdeira, M. Ribeiro, A. Alves, R. Pina

016

The case of congenital ependymoma in a stillborn

Oksana Sudareva, Russia

E. Guryanova, S. Lezhenina, E. Ignatyeva, O. Kudryashova

017

Autopsic case of infantile arterial generalized (IAC) calcification in a newborn

Oksana Sudareva, Russia

E. Ignatyeva, S. Lezhenina, A. Grigoryeva, E. Guryanova

018

The rare case of pathomorphological study of the acardiac monster from monozygotic twins

Oksana Sudareva, Russia

E. Ignatyeva, S. Lezhenina, E. Guryanova

020

A rare lysosomal storage disease: galactosialidosis

Diogo Sá, Portugal

U. Ramos, F. Vieira, J. Vizcaíno

021

An integrated approach to the diagnosis of pancreatic islet cell hyperplasia in a newborn (sectional case)

Oksana Sudareva, Russia

E. Ignatyeva, S. Lezhenina, E. Guryanova

022

Congenital interruption of aortic arch (IAA) – a fetal autopsy findings with literature review

Filipe Soares Nogueira, Portugal

C. Dahlstedt Ferreira, D. Argyropoulou, H. Oliveira Coelho

023

Fetal thrombotic vasculopathy: a case report
Samiha Mabrouk, Tunisia
 T. Tlili, Z. Lajmi, S. Yacoub, A. Ben Abdelkader, B. Sriha, M. Mokni

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Pulmonary Pathology

001

Pseudoprogression mimicking hyperprogressive disease after pembrolizumab treatment in a patient with lung cancer – histopathological diagnostic clues
Tomonori Kawasaki, Japan
 K. Hashimoto, K. Kaira, O. Yamaguchi, A. Mouri, A. Shiono, Y. Miura, F. Nishihara, S. Shinomiya, T. Akagami, Y. Murayama, H. Imai, K. Kobayashi, H. Kagamu, H. Imada

002

Uncommon primary pleural mesenchymal tumours: study of seven cases
Maria Garcia Martos, Spain
 C. Vieru, Y. Gómez Navarro, A. Panizo

003

Thymomas sub-classification – WHO 5th classification application
Joana Madeira, Portugal
 V. Almeida, V. Sousa, L. Carvalho

004

Idiopathic lymphoid interstitial pneumonia misdiagnosed as lung tuberculosis. Case report
Alexander Romanov, Russia
 M. Mnikhovich, L. Erofeeva

006

Monophasic synovial sarcoma involving the lung
Evangelia Baliou, Greece
 E. Psychogiou, P. Megas, D. Riga, K. Papadopoulou, K. Theochari, I. Vamvakaris

007

Pulmonary benign metastasizing leiomyomatosis presented by severe dyspnea; report of a case
Mohamed Elgammal, Egypt
 A. Saad Rizk

008

The expression of DNA methyltransferases in non-small cell lung cancer
Vasiliki Tzelepi, Greece
 S. Reppas, K. Paparizou, V. Mousafeiris, P. Aroukatos, D. Nakas, N. Chrysanthakouloulos, V. Zolota

009

Pulmonary metastasis of extraskelatal myxoid chondrosarcoma as a first sign of a disease
Aleksandra Lovrenski, Serbia
 N. Gardic, D. Tegetlija, I. Ergelašev

010

Epithelioid malignant mesothelioma with signet ring cells of the pleura – a case report
Christos Valavanis, Greece
 N. Novkovic, G. Stanc, N. Bolanos, M. Papazian, S. Stasinopoulou, E. Souka

011

Foetal Adenocarcinoma of the lung – a case report
Christos Valavanis, Greece
 N. Novkovic, G. Stanc, M. Papazian, N. Baltagiannis, M. Sevastiadou, E. Souka

012

A complex case of pulmonary tuberculosis with superimposed chronic cavitary pulmonary aspergillosis: clinical, cytopathological, and genetic contributions
Gheorghe-Emilian Olteanu, Romania
 V. Tudorache, O. Fira-Mladinescu, N. Suppini, P. Hogeia, I. Mihai, A. Chiriță-Emandi

015

Sclerosing pulmonary pneumocytoma (SSP) (sclerosing hemangioma)
Evangelia Baliou, Greece
 E. Psychogiou, P. Megas, D. Riga, A. Konstantinidou, M. Mauroeide, I. Vamvakaris

016

Rare cases of coexistence of non-hodgkin lymphomas with lung carcinomas
Olympia Tzaida, Greece
 E. Souka, G. Galanopoulos, L. Karelis, N. Baltayannis, M. Kotsopoulou

017

Adenosquamous carcinoma of the lung-biopsy: MET exon 14 skipping mutation

Vitor Sousa, Portugal

A. Alarcão, A. Ladeirinha, M. Reis Silva, T. Ferreira, A. Rodrigues, C. Vilasboas, L. Carvalho

018

Swyer James MacLeod Syndrome: an uncommon phenomenon

Irina-Anca Eremia, Romania

C. Anghel, S. Nica

019

A contemporary view at the pulmonary collapse

Sergei Timofeev, Russia

Y. Kirillov, D. Protsenko, A. Avdalyan, V. Sokov

020

The relevance of ACE2, TMPRSS2, and androgen receptor expression in male vulnerability to COVID-19 infection

Luiza Di Sciascio, Italy

F. Ambrosi, M. Riefolo, C. Ricci, L. Gabrielli, A. Degiovanni, G. Gaiba, P. Bertoglio, P. Solli, S. Damiani, A. D'Errico, M. Fiorentino

021

Prognostic impact of PD-L1 and PD-L2 expression in malignant pleural mesothelioma

Sergen Yagci, Turkey

M. Tepeoğlu, E. Canpolat, P. Bayık, M. Kılıç, B. Özdemir

022

Performance of AmoyDx HER2 mutation detection kit and AmoyDx Pan Lung Cancer PCR Panel for detection of common HER2 and/or EGFR mutations

Ming Sheng, United Kingdom

H. Brown, S. Dearden

023

Granulomatous lymphocytic interstitial lung disease (GLILD) in CTLA-4 deficiency: case report

María Luisa Abascal, Spain

C. Vieru, S. Osorio, J. Gil, F. Menarguez, F. Díaz Crespo

024

Correlation of programmed Death Ligand-1 (PD-L1) expression with clinicopathological features in lung carcinoma in a Macedonian population

Biljana Ogneska-Jankovska,

N. Bashaska

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E-Posters

Soft Tissue and Bone Pathology

001

Infantile fibrosarcoma with EGFR rearrangement

Kadriye Ebru Akar, Turkey

E. Çeşmecioğlu Karavin, M. Say, H. Türköz

002

Extraskelletal myxoid chondrosarcoma with novel NR4A3-PRRC1 fusion

Kadriye Ebru Akar, Turkey

E. Çeşmecioğlu Karavin, M. Say, H. Türköz

003

Two separate metastatic tumours synchronized in the lung: alveolar soft part sarcoma and leiomyosarcoma

Merve Aydemir, Turkey

N. Büyükpınarbaşılı

004

Atypical spindle cell lipomatous tumour: a rare case report

Javier Baena-Del Valle, Colombia

D. Bertel-Rodriguez, M. Palau-Lazaro

005

Development of epithelioid angiosarcoma as a rare and new complication of retained surgical gauze

Marina-Alina Bara, Romania

F. Almarii, V. Enache

006

Malignant solitary fibrous tumor of the mandibula: a case report

Sirine Ben Cheikh, Tunisia

A. Baccouche, M. Krifa, S. Mestiri,

W. Majdoub, A. Bdioui, S. Hmissa

007

Osteosarcoma of the bone in patient with primary hyperparathyroidism

Sirine Ben Cheikh, Tunisia

A. Bdioui, S. Moussa, O. Belkacem,

W. Majdoub, A. Baccouche, S. Hmissa

009

Anastomosing haemangioma: report of 3 cases with molecular and immunohistochemical studies

Yi-Che Chang Chien, Hungary

A. Mokánszki, L. Beke, G. Méhes

010

MKL2 rearranged chondroid lipoma – a pitfall in frozen section interpretation

Zhengyu Samuel Chua, Singapore

S. Leong, Y. Soon, B. Wu, C. Kuick, K. Chang, Y. Mok

011

Post-denosumab morphological and immunohistochemical findings in giant cell tumor of bone – is there a risk for malignancy?

Adelina-Maria Cohn, Romania

D. Pop

012

Hemosiderotic fibrolipomatous tumour – a potential diagnostic pitfall

Adrian Dumitru, Romania

M. Sajin, M. Costache, B. Crețu, C. Cîrstoiu

013

Cervico-thoracic lipoblastoma of the adult: a case report of a rare entity

Juan Fernandez-Perez, Spain

J. Ruiz-Maciá, A. Caballero-Illanes, A. Garzón-Arana, M. Segado-Martínez, J. Bejar-Valera, L. Sánchez-Godoy

014

Epithelioid Hemangioendothelioma: a case series of a rare vascular neoplasm

Safouane Frini, Tunisia

O. Belkacem, L. Belaid, S. Ben Cheikh, S. Mestiri, A. Bdioui, H. Hamchi, S. Hmissa

015

Giant cell tumour of the bone under treatment with Denosumab

João Gama, Portugal

J. Madeira, R. Oliveira, C. Faria, V. Almeida, F. Ramalhosa, B. Sepodes, G. Fontinha, C. Courelas, A. Alves, M. Cipriano

016

Lipoma arborescens of the knee: report of a rare case

Soumaya Graja, Tunisia

M. Mellouli, O. Boudawara, M. Triki, C. Chaari, N. Gouiaa, T. Boudawara, R. Kallel

017

The cytotoxic properties of graphene derivatives and 2-metoxystriadiol / graphene compound on human melanoma (A375) and osteosarcoma (143B) cell lines

Jacek Gulczyński, Poland

A. Kamm, E. Izycka-Swieszewska, L. Lipinska, M. Gorska-Ponikowska

018

Spindle cell lipoma with ossification mimicking atypical lipomatous tumour / well-differentiated liposarcoma

Hiroki Imada, Japan

J. Ichikawa, T. Kawasaki, A. Enomoto, N. Taniguchi, R. Tatsuno, S. Kanno, H. Haro

019

A unique presentation of IgG4 related disease mimicking soft tissue tumour

Hiroki Imada, Japan

T. Kawasaki, S. Kanno, J. Ichikawa

020

Extraskeletal osteosarcoma with preceding myositis ossificans

Hiroki Imada, Japan

J. Ichikawa, S. Kanno, T. Kawasaki

021

Indolent multinodular synovial sarcoma of foot with peripheral nerve extension

Hiroki Imada, Japan

T. Kawasaki, N. Suzuki, J. Ichikawa

022

RREB1–MKL2 fusion in a mesenchymal spindle cell tumour of the heart: ectomesenchymal chondromyxoid tumour in an atypical location or new entity?

Silvana Kalakech, France

N. Ben-Romdhane, C. Eymerit, L. Lacroix, B. Verret, A. Leceste, C. Ngo

023

Immature teratoma of the thigh (mixed germ cell tumour). A case report

Efthymios Koniaris, Greece

I. Nikolopoulos, E. Mortakis, M. Chamourgiotaki, G. Kafiri

024

Immunohistochemical marker VEGF in the diagnosis of periodontal diseases

Kirill Kosov, Russia

N. Zhuravleva, E. Guryanova, V. Diomidova

025

Pseudonaplastic/symplastic giant cell tumour of bone: case report and review of the literature

Syrine Moussa, Tunisia

A. Baccouche, M. Krifa, A. Bdioui, W. Majdoub, S. Mestiri, S. Hmissa

026

An unusual presacral mass: case report

Syrine Moussa, Tunisia

S. Mestiri, W. Majdoub, O. Belkacem, S. Frini, A. Bdioui, S. Hmissa

027

An old Calcifying aponeurotic fibroma

Carolina Padrão, Portugal

M. Pimentão, M. Cipriano

028

Collagen orientation probed by polarized Raman spectra on 5µm-thick FFPE sections can be readably used for grading meniscal degeneration

Dionysios Papachristou, Greece

N. Prokopi, K. Andrikopoulos, A. Soto Beobide, G. Voyiatzis

029

Intracranial sclerosing epithelioid fibrosarcoma – a rare neoplasm in an unusual location

Sofia Pedrosa, Portugal

F. Moreira, A. Marques, J. Pinheiro

030

A case report of retiform hemangioendothelioma as pleural tumour with rib infiltration

Tamara Pikivaca, Croatia

A. Lukac, A. Mataic, S. Seiwert

031

De-differentiated liposarcomas with heterologous and homologous elements: MDM2, CDK4 and DDIT3 testing on several blocks with homologous and heterologous elements is useful for diagnosis

Daniela Proca, USA

A. Lazim, J. Fu, I. Akhtar

032

Multiple enchondromatosis of the upper limb in combination with multiple hemangiomas in an 20-year-old patient with Maffuci syndrome

Alexander Romanov, Russia

M. Mnikhovich, D. Kushch, T. Bezuglova

033

Poorly differentiated chordoma, a rare type of chordoma, in a 2.5-year-old girl

Müzeyyen Müge Savas, Turkey

I. Tosun

034

Whole exome sequencing analysis of dedifferentiated chondrosarcoma

Julian Schreier, Germany

A. Roessner, S. Ullmann, D. Schanze, D. Jechorek, S. Franke

035

Pseudomyogenic Hemangioendothelioma in the thumb – report of a rare case

Francisco Sousa Vieira, Portugal

D. Sá, A. Coelho, J. Vizcaino

036

Differential diagnosis of spleen sarcoma: cytokeratin-positive interstitial reticulum cell (CIRC) sarcoma – a rare extranodal presentation

Anna Szumera-Cieckiewicz, Poland

O. Kuczkiewicz-Siemion, K. Kurek, K. Seliga, T. Świtaj, P. Rutkowski

037

The conundrum of primary Rosai Dorfman disease of the bone – a very rare lesion

Dana Tapoi, Romania

A. Dumitru, R. Adam, M. Sajin, M. Costache, A. Iliesiu

038

Small cell osteosarcoma: a diagnostically challenging tumour arising on the rib

Meriam Triki, Tunisia

W. Abid, I. Saguem, T. Boudawara, A. Khanfir, T. Boudawara, R. Kallel

039

Why does not ossification of posterior longitudinal ligament involve an upper part of the axis?

Takehiko Yamaguchi, Japan

H. Imada

040

NTRK-rearranged spindle cell neoplasm: a case report

Sila Yilmaz Erozbek, Turkey

A. Cakir, S. Dervisoglu

042

Case report of a primary renal vein leiomyosarcoma

Charalampos Zorzos, Greece

C. Karantzias, I. Nitsios, C. Roumbas,

A. Dimitriadi, X. Grammatoglou,

A. Kostopoulou, A. Kalantzi, E. Giagourta,

G. Zografos, T. Choreftaki

E-PS-23

E-Posters

Thymic and Mediastinal Pathology

001

Mediastinal teratoma with 4 different somatic type malignancies: a case report

George Agrogiannis, Greece

A. Kotopoulis, P. Tziakou, A. Georgiou,

D. Karagianni

002

Thymic carcinoma: a rare type of cancer. Clinicopathological study of 9 cases

Yesica Gómez Navarro, Spain

M. Garcia Martos, C. Vieru, A. Panizo

003

Ectopic mediastinal parathyroid adenoma: report of unusual location and literature review

Omar Mnif, Tunisia

R. Ayadi, E. Braham, M. Mlika, A. Rais,

A. Ayadi, O. Ismail, F. El Mezni

004

Mesothelioma of the pericardium: report of 3 cases of a rare neoplasm

Safouane Frini, Tunisia

W. Majdoub, A. Baccouche, A. Bdioui,

S. Mestiri, L. Jaidane, S. Hmissa

005

Intrathymic melanoma: report of two cases with a rare localization

Federica Pezzuto, Italy

F. Fortarezza, F. Lunardi, V. Verzeletti,

G. Cannone, M. Schiavon, F. Rea,

F. Calabrese

E-PS-24

E-Posters

Uropathology

001

Pleomorphic adenoma with PLAG1 fusion presenting as an isolated kidney mass: report of a challenging case

João Lobo, Portugal

M. Rechsteiner, N. Rupp, H. Moch

002

Malignant triton tumour of the kidney in a 57-year-old male: a case report

Alyssa Camille Ablaza, Philippines

A. Llanes

003

Glomangiomyoma of the kidney-case report of a rare subtype of glomus tumour with unusual location

Madalina Chivu, Romania

A. Muresan, A. Petrescu, L. Mittrache,

M. Berdan

004

Amphicrine carcinoma of the urinary bladder: a case report

Giacomo Maria Pini, Italy

G. Finzi, L. Nicolini, S. Gianazza, A. Coppola,

E. Zaffuto, F. Dehò, S. Uccella

006

V600E BRAF mutation in Rosai-Dorfman disease with testis-brain localization

Nazario Pio Tenace, Italy

M. Cangi, R. Lucianò, L. Pecciarini,

G. Grassini, G. Magliacane, M. Ponzoni,

C. Doglioni, M. Colecchia

007

Basaloid carcinoma of the bladder: is it a new variant with poor prognosis? Case report

Ihssan Elouarith, Morocco

K. Znati, A. Jahid, Z. Bernoussi, F. Zouaidia

008

Expression of glycodefin in the prostate gland in patients with prostate adenocarcinoma

Polina Veshnyakova, Russia

K. Artem'eva, I. Stepanova, E. Ponomarenko,

I. Bogdanova, M. Boltovskaya, E. Goufman,

M. Mnikhovich, N. Nizyaeva, L. Mikhaleva

009

Cystic nephroma in a 40-years old female patient with a history of craniopharyngioma. A case report

Nikolaos Poulitanitis, Greece

C. Roumbas, C. Karantzias, I. Nitsios, A. Dimitriadi, M. Lenos, G. Theodoropoulou, G. Kakiopoulos, K. Ntoumas

010

Significant variation of tumour stage by size in clear cell renal cell carcinoma from a prospective national database with a sub-analysis for causality

Michael Bonert, Canada

N. Nikzad, I. El-Shinnawy, S. Salama, R. Alaghebandan, R. Breau, A. Lalani, R. Rendon, L. Wood, S. Tanguay, N. Basappa, D. Heng, B. Bhindi, F. Pouliot, L. Lavallée, R. Mallick, A. Kapoor

011

Clear cell carcinoma of the urinary bladder of Müllerian type – a case report

Gabriela-Monica Stanc, Greece

N. Novkovic, M. Papadopoulos, M. Papazian, C. Valavanis, E. Souka

012

Extramammary Pagets disease: a case report

Grace Crilly, Ireland

N. Shah

013

Sarcomatoid carcinoma of the urinary bladder arising from squamous cell carcinoma. A case review

Georgios Galanopoulos, Greece

L. Karelis, E. Souka, M. Terzi, M. Papadopoulos, O. Tzaida

014

In situ urothelial carcinoma of the urinary bladder with pagetoid extension into prostatic urethra and prostatic duct epithelium – a case report

Christos Valavanis, Greece

N. Novkovic, G. Stanc, M. Papadopoulos, M. Papazian, E. Souka

015

Seminoma in a case of ovotesticular disease (true Hermaphroditism)

Sumru Cagaptay, Turkey

C. Altay, G. Aslan, K. Yorukoglu

017

Old markers, new perspective in urothelial carcinoma

Luca Liliana Cristina, Romania

O. Stefan, G. Tudor, V. Nica, V. Mitroi, L. Nichita

018

A bone in the bladder – rare case report and review of literature

Oana Stefan, Romania

G. Tudor, L. Liliana Cristina, A. Toma, V. Mitroi, M. Cioplea, L. Nichita

019

Histoeidemiological study of eosinophilic metaplasia of the prostate gland

Maria Koleva, Bulgaria

D. Dikov

020

Sarcomatoid spermatocytic tumour: report of a rare case

Eugénia Dvindenko, Portugal

A. Dias, F. Santos, R. Cabrera

021

Incidentally discovered testicular metastatic tumour

Saadia Makni, Tunisia

W. Ben Makhlof, C. Kammoun, S. Graja, S. Charfi, N. Gouiaa, C. Chaari, O. Boudawara

022

Undifferentiated carcinoma with osteoclast-like giant cells in the renal pelvis: a very rare entity

Germán Moreno De Juan, Spain

G. Yange Zambrano, A. Calapaqui Terán, P. Martín Soler, A. Azueta Etzebarria

023

Study of TERT mutations in uropathological biopsies. Use of a molecular technique in a daily practice

Oana Beatrice Popescu, Spain

E. García Fernández, P. González Peramato

024

Incidental discovery of prostatic adenocarcinoma following ureterectomy

Ines Saguem, Tunisia

N. Ellouze, M. Triki, W. Smaoui, S. Ben Tekaya, O. Boudawara, M. Hadj Slimen, T. Boudawara, M. Mellouli

025

Recurrent deep angiomyxoma of the bladder neck presenting as voiding dysfunction: a case report
Wonae Lee, Republic of Korea
Y. Lee, S. Choi

026

Primary Ewing sarcoma/primitive neuroectodermal tumour of the kidney: a rare case report
Javier Baena-Del Valle, Colombia
D. Bertel-Rodriguez, M. Palau-Lazaro

027

Paraganglioma of the urinary bladder: two cases report
Javier Baena-Del Valle, Colombia
D. Bertel-Rodriguez, C. Medina-Marquez, M. Plata-Salazar, M. Palau-Lazaro

028

Intermediate-risk solitary fibrous tumour of the prostate presenting as an intravesical prostatic protrusion: a case report
Javier Baena-Del Valle, Colombia
D. Bertel-Rodriguez, M. Plata-Salazar, M. Palau-Lazaro

029

Spontaneous regression of primary renal cell carcinoma: two cases
Seçil Kilar Kösemen, Turkey
G. Gümrükçü

030

Tubulocystic renal cell carcinoma – a malignant entity with bland features and good prognosis
Guilherme Fontinha, Portugal
R. Almeida, J. Gama, V. Sousa

031

Basal cell carcinoma of Prostate with MSMB-NCOA4 fusion and a probable basal cell carcinoma in-situ: case report
Anand C Loya, Denmark
V. Pedersen, K. Petersen, O. Østrup, K. Brasso

032

Primary urothelial carcinoma of the prostate. Case report and review of literature
Leart Berdica, Albania
T. Bushati, A. Ndoja, E. Sukaj

033

Papillary renal neoplasm with reverse polarity: an emerging entity
Asma Fitouri, France
M. Bani, A. Valent, E. Rouleau, J. Scoazec, Z. Merabet

034

Well differentiated neuroendocrine tumour of the kidney. Histological, immunohistochemical, molecular and electron microscopy, analysis of a single case in a university hospital
Marta De Uribe Viloria, Spain
E. García Fernández, P. González-Peramato

036

Changes of nerve density in prostate cancer
Lucia Krivosikova, Slovakia
P. Janega, P. Babál

037

Undescended testis associated with seminoma and persistent Mullerian duct syndrome
Maria Strataki, Greece
F. Karasavvidou, V. Tsangari, G. Kabanos, N. Kolitsas, M. Ioannou

038

Collecting duct carcinoma, a great mimicker – a case report of a rare neoplasia and literature review
Mariana De Brito Pereira, Portugal
A. Alves, E. Vitorino, A. Canastra, A. Beltran

039

Divergent infiltrating high grade urothelial carcinoma with small cell neuroendocrine carcinoma differentiation
Charikleia Kouvidou, Greece
A. Sykaras, S. Stefanakis

040

Temporal bone metastasis revealing a papillary renal cell carcinoma
Syrine Moussa, Tunisia
A. Bdioui, S. Mestiri, A. Baccouche, O. Belkacem, W. Majdoub, S. Hmissa

042

Unusual presentation of ureteritis cystica associated with malignancy

Èrika Iglesias Martínez, Spain

M. Buda, N. Santiago Quispe, A. Sifre Ruiz, A. Martínez Aracil, A. Ruiz de Angulo Otxaran, V. Moreno Nieto, M. Viguri Díaz, M. De Diego Rivas

043

Encrusted cystitis and pyelitis: study of 2 cases

Syrine Moussa, Tunisia

O. Belkacem, A. Loghmari, W. Majdoub, S. Mestiri, M. Ben Othmane, S. Hmissa

044

Ductal adenocarcinoma of the prostate presenting as penile metastasis

João Boavida, Portugal

T. André Sousa Oliveira, L. Correia

045

Lobular breast carcinoma metastasis to the urinary bladder mimicking plasmacytoid variant of urothelial carcinoma

André Marques Gonçalves Pereira, Portugal

F. Galante Pereira, C. Padrão, J. Tinoco, R. Veiga

046

Morphological findings in pediatric heminephrectomy specimens – the pathological and MRI study

Ewa Izzycka-Swieszezwska, Poland

K. Buczkowski, D. Swietoń, M. Grzywinska, P. Czarniak, A. Golebiewski, A. Durawa

047

Primary prostatic leiomyosarcoma: a rare misleading tumour

Atika Baccouche, Tunisia

S. Moussa, W. Majdoub, S. Mestiri, S. Ben Cheikh, A. Bdioui, O. Belkacem, S. Hmissa

048

Fumarate hydratase deficient renal cell carcinoma – a case of hereditary leiomyomatosis and renal cell carcinoma-associated renal cell carcinoma?

Diogo Sá, Portugal

F. Costa, F. Vieira, J. Vizcaino

049

A recently described entity: biphasic squamoid alveolar papillary renal cell carcinoma

Diogo Sá, Portugal

J. Vizcaino, F. Vieira

050

An unexpected presentation of renal cell carcinoma as a renal hilar lymph node metastasis without radiologically or macroscopically evident renal mass

Ekin Gedik, Turkey

E. Serbes, İ. Adanır, C. Cansız Ersoz, E. Süer, G. Kaygusuz, D. Enneli

051

Metastasis of renal clear cell carcinoma to contralateral ureter twenty years later after radical nephrectomy: a challenging diagnosis

Yosra Fejji, Tunisia

W. Majdoub, A. Baccouche, M. Krifa, S. Mestiri, O. Belkacem, A. Bdioui, S. Hmissa

052

Primary small cell carcinoma of the kidney: a rare case report

Samiha Mabrouk, Tunisia

T. Tlili, S. Yacoub, A. Ben Abdelkader, B. Sriha, M. Mokni

053

The prevalence of CHEK 1 and CHEK 2 mutations in prostate cancer in Jordan population: a retrospective cohort study

Mohammed Alorjani, Jordan

S. Al Bashir, M. Al Zoubi

E-PS-MD-01

E-Posters

MD Symposium

001

Automation meets reliability: use of OncomineTM Precision Assay on the GenexusTM System for accurate identification of cancer biomarkers in FFPE and liquid biopsy samples

Jeffrey Schageman, USA

T. Jayaweera, N. Siepert, B. Hradecky, E. Ostrowska, I. Casuga, K. Lea, P. Kshatriya, J. Gu, R. Cao, A. Cheng, K. Bramlett

002

RAS/BRAF mutations in colorectal cancer: assessment of its status in a north African population compared to European population

Hayet Douik, Tunisia

G. Sahraoui, L. Charfi, R. Doghri, I. Nasri, D. Benghezala, L. Chaabane, R. Ben Ghorbel, A. Ben Amara, K. Mrad

003

Molecular markers in group 3 and group 4 medulloblastomas

Alan Irving Vicenteño León, Mexico

C. Barrera Velázquez, F. Chico Ponce de León, L. Cabrera Muñoz, M. Pérez Peña Díaz Conti, G. Baay Guzmán, A. Rodríguez Velasco, S. Juárez Méndez, M. Monreal Lazcano, S. Sadowinski Pine, A. Escobar Sánchez, V. González Carranza, S. Torres García, J. García Quintana, P. Eguía Aguilar

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Best Poster Sessions

The best posters of each topic will be presented during the afternoon coffee break (16:45–17:15 Sunday–Monday, 13:15–13:45 and 16:00–16:30 on Wednesday in the Foyer on the 2nd Floor at the E-Poster terminals).

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► Congress Information

► Congress Venue

Congress Center Basel (CCB)
Messeplatz 21
4058 Basel, Switzerland

► Congress and Exhibition Office

CPO HANSER SERVICE
CPO HANSER SERVICE GmbH
Paulsborner Str. 44
14193 Berlin, Germany
Phone: +49-30-300 669-0
Fax: +49-30-305 73 91
Email: ecp-basel@cpo-hanser.de

► Congress Registration Counter

All congress material and documentation is available at the congress registration counter. The Congress Counter will be located in the entrance area of the Congress Center Basel.

Opening hours

Saturday	3 Sept 2022	16:00 – 20:00
Sunday	4 Sept 2022	07:30 – 18:00
Monday	5 Sept 2022	07:00 – 18:00
Tuesday	6 Sept 2022	07:00 – 18:00
Wednesday	7 Sept 2022	08:00 – 17:30

► ESP Booth

The booth of the European Society of Pathology (ESP) is located in the Foyer on the 2nd Floor.

► On-site Registration

On-site registration will be processed on a first-come, first-served basis. Priority will be given to pre-registered delegates. Depending on the number of on-site registered delegates, availability of congress material may be limited.

► Registration Fees

	EUR
ESP Member*	670
Non-Member	820
Resident**	370
PhD student**	370
Accompanying person	
of an ESP Member	60
of a Non-Member	80
One-Day Molecular Pathology	
Diagnostics Symposium***	140
One-Day Computational	
Pathology Symposium***	140

* In good standing (membership fee for 2022 paid). Please note that the member fee can only be granted if you are a member of the ESP at the time of registration. If you are not a member yet, you need to apply for membership first, and once you have received your ESP membership confirmation, you can register at the member fee.

** For residents / PhD students under 40 (i.e. born after 3 September 1982 – to be proven by ID card / passport). The resident / student status must be confirmed by a formal declaration from the head of department or the responsible for the training programme. All documents need to be uploaded during the registration process.

*** Participants with full ECP registration can attend this symposium at no extra cost.

All registration fees are exempt from VAT.

Registration Fee for ESP Members, Non-Members, Residents and PhD students includes:

- Admission to all scientific sessions
- Admission to Networking Reception
- Admission to poster exhibition and technical exhibition
- Coffee breaks and lunches from Sunday to Wednesday
- Congress material (delegate bag, final programme, etc.)
- Access to all sessions on demand (until 7 October 2022 for non-members and 7 December 2022 for ESP members)

Registration Fee for the additional One-Day Symposia includes:

- Admission to all scientific sessions of the respective Symposium
- Admission to poster exhibition and technical exhibition on the day of the Symposium
- Coffee breaks and lunch on the day of the Symposium
- Access to all symposium-related on demand content (until 1 month after the congress)

Registration Fee for Accompanying Persons includes:

- Admission to Networking Reception on Saturday, 3 September 2022
- Sightseeing (Walking) Tour of Basel

Advance registration for the half-day city sightseeing tour for accompanying persons on 4, 5 or 6 September 2022 is required. Tickets for on-site booking are subject to availability.

Please note that accompanying persons have neither access to scientific sessions nor to the exhibition/poster area.

► Social Programme

CONGRESS CONCERT

► 5 September 2022 · 20:00–21:30

Stadtcasino Basel

Member	EUR 20
Non-Member	EUR 40

CONGRESS EVENING

► 7 September 2022 · 20:00–24:00

Volkshaus Basel

Member	EUR 10
Non-Member	EUR 50

Availability is limited, so tickets for the social events will be sold on a first-come, first-served basis. Please purchase your ticket at least one day prior to the event at the congress counter.

► Name Badges

Participants are kindly requested to wear their name badge at all times during the congress including the Opening Ceremony and Networking Reception.

The colours of the name badges have the following significance:

- Green – Delegate of ECP
- Pink – Faculty
- Grey – Accompanying Person
- Orange – Exhibitor
- Light Green – Delegate of One-Day Symposium for Molecular Biologists
- Blue – Delegate of One-Day Computational Pathology Symposium
- Red – Staff

► Congress Information System

For the 34th ECP, the web-based Congress Information System CO CONGRESS ONLINE® has been installed: www.esp-congress.org.

The delegates can set up and print out their personal congress programme schedule. CO CONGRESS ONLINE® provides:

- Updated scientific programme
- Programme by day
- Programme by format
- Programme by topic
- Programme search
- List of exhibitors and sponsors
- General congress information
- Private mailbox

► Congress Language

The official language of the 34th European Congress of Pathology is English.

► Certificate of Attendance

Participants can print out their certificates of attendance at the terminals near the registration counter.

From 8 September 2022 on, you can also print your CME certificate online at www.esp-congress.org by logging in with your participant number or with your congress login credentials.

► Abstract Publication

All abstracts are published in Virchows Archiv, Volume 481, Supplement 1. Abstracts can be accessed via the ECP website.

► Programme Changes

The organisers cannot assume liability for any changes in the congress programme due to external or unforeseen circumstances.

► ECP 2022 App

Get the ECP 2022 App for your smartphone and experience the congress at your fingertips.



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The App is completely free and provides iPhone/iPad and Android users at the 34th ECP with on-the-go access to the congress' most exciting interactive features.

The Question & Answer tool is available in the following rooms: San Francisco, Singapore, Sydney, Boston, Delhi.



The ECP 2022 App is powered by GLOBIT GmbH.

► Speakers' Preview Room

The Speakers' Preview Room is located in Room Darwin on Level 0 of the CCB. If you are a speaker and have not uploaded your presentation prior to the congress, please turn to the technical staff in Room Darwin for a late upload. This is possible one day before presentation, but at the latest three hours prior to the presentation.

Due to time and technical reasons we kindly ask the speakers not to use their own notebook. In the Speakers' Preview Room there are several PC working stations, where speakers can work on their presentation charts in a quiet area. Technical staff will be happy to assist.

Opening hours

Saturday	3 Sept 2022	16:00 – 19:00
Sunday	4 Sept 2022	07:30 – 17:00
Monday	5 Sept 2022	07:00 – 17:00
Tuesday	6 Sept 2022	07:00 – 17:00
Wednesday	7 Sept 2022	08:00 – 17:30

► Speakers' Lounge

Invited speakers of scientific sessions are welcome to spend time in the Speakers' Lounge in Room Lima on Floor 0 of the CCB.

Opening hours

Sunday	4 Sept 2022	08:00 – 18:00
Monday	5 Sept 2022	08:00 – 18:00
Tuesday	6 Sept 2022	08:00 – 18:00
Wednesday	7 Sept 2022	08:00 – 17:30

► Poster Exhibition

Poster sessions will be held from Sunday, 4 September to Wednesday, 7 September 2022 in Hall 4.1 of the CCB. These sessions offer an effective forum for the exchange of information and a means to communicate ideas, research and programmes. Poster authors are required to be available for questions and further information at their poster board during the morning session break (09:30–10:30) from Sunday to Wednesday. Posters are changed daily and are on display for the entire day of the respective poster session.

They are sorted by topics and will be numbered within those topics. The best posters of each topic will be presented during the afternoon coffee break (16:45–17:15 Sunday–Monday, 13:15–13:45 and 16:00–16:30 on Wednesday in the Foyer on the 2nd Floor at the E-Poster terminals). The poster exhibition is open to all registered delegates:

Poster Discussion Times for

► PS-01 to PS-06

Sunday, 4 Sept 2022: 09:30 – 10:30

► PS-07 to PS-10

Monday, 5 Sept 2022: 09:30 – 10:30

► PS-11 to PS-17

Tuesday, 6 Sept 2022: 09:30 – 10:30

► PS-18 to PS-26

Wednesday, 7 Sept 2022: 09:30 – 10:30

Interested participants can meet the authors for discussions of their poster presentation during the time of the poster presentation.

Posters need to be put up and dismantled on the day of the respective poster session within the following times:

Set-up:

Sunday	4 Sept 2022	07:30 – 09:00
Monday	5 Sept 2022	07:30 – 09:00
Tuesday	6 Sept 2022	07:30 – 09:00
Wednesday	7 Sept 2022	07:30 – 09:00

Dismantling:

17:00–18:00 on the day of the presentation. Posters which have not been removed within the indicated dismantling time will be disposed of.

► E-Posters

E-Posters will be available on E-Poster Terminals in the Foyer on the 2nd Floor. All E-Poster authors and poster presenters have been invited to upload their poster prior to the ECP 2022. All uploaded E-Posters can be searched for and viewed electronically on the 8 terminals from Sunday, 4 September to Wednesday, 7 September.

► Technical Exhibition

The 34th ECP will be accompanied by a major technical exhibition taking place in Hall 4.1 and the Foyer on the 2nd Floor of the Congress Center Basel.

Exhibition hours

Saturday	3 Sept 2022	20:00 – 22:00
Sunday	4 Sept 2022	09:00 – 17:15
Monday	5 Sept 2022	09:00 – 17:15
Tuesday	6 Sept 2022	09:00 – 17:15

► WiFi

WiFi areas in the foyers and exhibition allow easy access to the Internet. Please select the WiFi network **ECP2022**, the password is also **ECP2022**.

► Coffee Breaks

Coffee and tea will be served free of charge to all registered delegates during the morning and afternoon coffee breaks, 09:30–10:30 and 16:45–17:15, from Sunday, 4 September through Tuesday, 6 September and from 09:30–10:30 and 16:00–16:30 on Wednesday, 7 September. Coffee stations are located in Hall 4.1 and the Foyer on the 2nd Floor.

► Lunch Breaks

Lunch is served from 13:00 to 14:30 from Sunday, 4 September through Tuesday, 6 September 2022 and 13:00 to 14:00 on Wednesday, 7 September 2022. The catering stations are located in Hall 4.1 and the Foyer on the 2nd Floor.

► Prayer Room

The Prayer Room is located in Hall 4.1 behind the Poster Area.

► Cloakroom

A cloakroom can be used free of charge from Saturday, 3 September, early evening, to Wednesday, 7 September 2022. Participants can also store their luggage here. The cloakroom is located in the entrance area, near the escalator to the Exhibition Hall 4.1.

► Car Park

The Congress Center Basel has its own car park including 1200 parking spaces. The price for 24 hours is CHF 50.00.

► First Aid

First Aid will be provided during ECP tenancy hours at the Congress Center Basel. In case of emergency, please contact the staff at the congress counter.

► Insurance/Liability

The ESP does not accept any liability for damages and/or losses of any kind which may be incurred by the congress participants or by any person accompanying them, during either the official activities or excursions. Delegates participate in all tours/events at their own risk. Participants are advised to take out insurance against loss, accidents or damage that could be incurred during the congress.

► General Conditions

The General Conditions published at www.esp-congress.org apply.

► Health and Safety

For the sake of all congress participants' health and safety and to slow the spread of COVID-19, the ESP recommends

- to wear a face mask in closed areas
- get tested if you develop symptoms during the event
- wash and sanitize hands often
- avoid hand-shaking

Keep on keeping your distance!
Your cooperation is appreciated.

► How to get from the City Centre to the Convention Centre

By tram

The Basel tram lines 6, 8, 14 (stop: Clarastrasse) as well as 15 and 2 (stop: Messeplatz) stop very close to the Congress Center Basel.

By bus

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European
Society of
Pathology

► Industry Symposia

Sunday, 4 September 2022

LS-01

Industry Symposium

13:00–14:30

Singapore

Is it time to rethink HER2-expressing breast cancer?

(Daiichi Sankyo and AstraZeneca)

Chair: **Josef Rüschoff**, Germany

- 001 13:00–13:05
- Welcome and introduction
- Josef Rüschoff**, Germany
- 002 13:05–13:25
- What are the challenges in scoring HER2 in breast cancer?
- Annette Lebeau**, Germany
- 003 13:25–13:35
- Prevalence and characteristics of breast cancers expressing low levels of HER2
- Josef Rüschoff**, Germany

- 004 13:35–13:50
- Recent developments in breast cancers expressing low levels of HER2
- William Jacot**, France
- 005 13:50–14:05
- What does the future hold for HER2 testing in breast cancer?
- Federico Rojo**, Spain
- 006 14:05–14:25
- Panel discussion and Q&A
- Josef Rüschoff**, Germany
- 007 14:25–14:30
- Closing Remarks
- Josef Rüschoff**, Germany

LS-02

Industry Symposium

13:00–14:30

Sydney

Practical examples of precision medicine in cancer care

(Janssen Pharmaceutica NV)

Chairs: **Eva Compérat**, Austria
Paul Hofman, France

- 001
- Cancer management in the era of precision medicine
- Paul Hofman**, France

- 002
- Putting it into practice: A patient presenting with lung cancer
- Paul Hofman**, France
- 003
- Putting it into practice: A patient presenting with prostate cancer
- Eva Compérat**, Austria
- 004
- Putting it into practice: A patient presenting with bladder cancer
- Antonio Lopez-Beltran**, Portugal

LS-03

Industry Symposium

13:00–14:30

Montreal

Onco-Pathology Forum: A Multidisciplinary Approach to Biomarker Diagnostics and Care

(Bristol Myers Squibb)

Chair: **Reinhard Büttner**, Germany

- 001 13:00–13:15
- Welcome and Introduction
- Reinhard Büttner**, Germany
- 002 13:15–13:25
- Key Results of Immunotherapy Trials in Advanced Upper GI Tract Cancers: What Pathologists Need to Know From GI Oncology for Personalized Medicine
- Markus Möhler**, Germany
- 003 13:25–13:35
- Are We Ready to Move Into an Age of Biomarker-Driven Neoadjuvant Therapy in Advanced Upper GI Tract Cancers? What GI Oncologists Need to Know From a Pathology Report
- Thomas Zander**, Germany
- 004 13:35–13:45
- The GI Pathologist Perspective: Diagnostic Biomarkers for Advanced Upper GI Tract Cancers
- Alexander Quaas**, Germany
- 005 13:45–13:55
- Biomarker-Driven Therapies in Bladder Cancer: What Uro-oncologists Need to Know From a Pathology Report
- Juan Palou Redorta**, Spain

006 13:55–14:05

Biomarker-Driven Therapies Beyond
Immuno-Oncology: What Oncologists Need
to Know From a Pathology Report
Aristotelis Bamias, Greece

007 14:05–14:15

The Uropathologist Perspective: Diagnostic
Biomarkers for Bladder Cancer
Eva Compérat, Austria

008 14:15–14:30

Audience Q&A to Follow Presentations
Reinhard Büttner, Germany

LS-04 Industry Symposium

13:00–14:30 Boston
**Exploration of actionable biomarkers in
determining eligibility for immunotherapy
(MSD)**

Chair: Lukas Bubendorf, Switzerland

001 13:00–13:05

Welcome and introductions
Lukas Bubendorf, Switzerland

002 13:05–13:25

Keeping up with the evolving PD-L1
landscape
Arndt Hartmann, Germany

003 13:25–13:45

Panel discussion: New kids on the block
- Recent PD-L1 indications and practical
considerations for scoring
Faculty and Lukas Bubendorf, Switzerland

004 13:45–13:55

Q&A
Faculty

005 13:55–14:15

The increasing relevance of MSI/MMR
testing in oncology
Paula Borralho Nunes, Portugal

006 14:15–14:25

Q&A
Faculty

007 14:25–14:30

Closing Remarks
Lukas Bubendorf, Switzerland

LS-05 Industry Symposium**13:00–14:30 Delhi**

**Rethinking KRAS: From emerging to
actionable biomarker in NSCLC
(Amgen)**

Chair: Frédérique Penault-Llorca, France

001 13:00–13:10

Welcome and introduction
Frédérique Penault-Llorca, France

002 13:10–13:25

KRAS therapy today: Approvals and pipeline
developments for KRAS G12C
Alfredo Addeo, Switzerland

003 13:25–13:45

Actioning KRAS G12C in NSCLC: Who,
when and how to test?
Frédérique Penault-Llorca, France

004 13:45–14:00

Targeting KRAS G12C: Clinicopathologic
diversity, co-mutations and resistance
Johan Botling, Sweden

005 14:00–14:25

Overcoming diagnostic challenges: Panel
discussion and Q&A
All incl. Sven Perner, Germany

006 14:25–14:30

Summary
Frédérique Penault-Llorca, France

LS-06 Industry Symposium**13:00–14:30 Shanghai**

**Transformation for Next-Generation Digi-
tal Pathology
(3D HISTECH)**

Chair: Béla Molnár, Hungary

001

"Bits to bedside": the Nijmegen experience
in digital and computational pathology
Katrien Grünberg, The Netherlands

002

Whole Tissue Imaging & Whole Block
Imaging Essentials
Yukako Yagi, USA

003

Next-generation tissue microarrays
(ngTMA®): from scientific discoveries to
clinical practice
Paulina Brönnimann, Switzerland

ES-01

Industry Symposium

19:30–20:30

Boston

Plasma Cell Enrichment in Multiple Myeloma Cytogenetic Testing: The Why, The How, and The When?

(Abbvie)

Chairs: Ramon Garcia Sanz, Spain
Dinesh Rao, USA

001

19:30–19:35

Welcome and Introductions

Ramon Garcia Sanz, Spain
Dinesh Rao, USA

002

Overview of Cytogenetic Testing in Multiple Myeloma, Importance of PCE for Cytogenetic Testing, and PCE Techniques

Dinesh Rao, USA

003

Guideline Recommendations

Ramon Garcia Sanz, Spain

004

Clinical Practice Implementation and Case Studies

All Faculty

005

Summary and Q&A

All Faculty

ES-02

Industry Symposium

19:30–20:30

Osaka/Samarkand

A case of biomarkers: revealing fresh evidence for locally advanced unresectable or metastatic G/GEJ adenocarcinoma

(Astellas)

Chair: Josef Rüschoff, Germany

001

19:30–19:33

Welcome and introductions

Josef Rüschoff, Germany

002

19:33–19:43

What do we know about locally advanced unresectable or metastatic G/GEJ adenocarcinoma?

Daniel Swinson, United Kingdom

003

19:43–19:58

The current evidence: Biomarker testing in locally advanced unresectable or metastatic G/GEJ adenocarcinoma

Josef Rüschoff, Germany

004

19:58–20:13

New clues for locally advanced unresectable or metastatic G/GEJ adenocarcinoma

Matteo Fassan, Italy

005

20:13–20:18

How can we collaborate to solve the mysteries of an evolving testing landscape?

All faculty

006

20:18–20:28

Q&A Session

All faculty

007

20:28–20:30

Symposium summary and close

Josef Rüschoff, Germany

► Monday, 5 September 2022

BRS-01

Industry Symposium

07:15–08:15

Singapore

New approaches to testing for homologous recombination deficiency

(AstraZeneca)

Chair: Albrecht Stenzinger, Germany

001

07:15–07:20

Welcome, introduction and housekeeping

Albrecht Stenzinger, Germany

002

07:20–07:50

Novel approaches to genomic instability testing in ovarian cancer patients

Albrecht Stenzinger, Germany

003

07:50–08:10

Implementing ctDNA testing in Prostate Cancer

Tracy Tucker, USA

004

08:10–08:15

Q&A and closing remarks

Albrecht Stenzinger, Germany

BRS-02

Industry Symposium

07:15–08:15

Delhi

Digital Pathology and AI Transforming Clinical Practice

(Paige)

Chair: Juan Antonio Retamero, Spain

001

Welcome and Introduction to Digital Pathology

Juan Retamero, Spain

002

Pathologist account of Digital Pathology in practice, and real-world experience with Paige Prostate

Catarina Eloy, Portugal

003

Study Review: Dive into study design, results, and end-user feedback

Gareth Byron, United Kingdom

BRS-03**Industry Symposium**

07:15–08:15

Shanghai

Process optimization for a digital pathology workflow with artificial intelligence

(Visiopharm)

Chair: Martin Kristensson, Denmark

001

Welcome and introduction

Martin Kristensson, Denmark

002

Experiences from digitizing the pathology lab of UK Augsburg

Ralf Huss, Germany

003

Overview of clinical offering

Martin Kristensson, Denmark

004

Q&A

Martin Kristensson, Denmark

LS-07**Industry Symposium**

13:00–14:30

Singapore

Connecting Patients to Precision Oncology – the key role of NGS

(Thermo Fisher Scientific, Eli Lilly, Bayer Pharma)

**Chairs: Lukas Bubendorf, Switzerland
Nicola Normanno, Italy**

001 13:00–13:05

Welcome and Introduction

Lukas Bubendorf, Switzerland

Nicola Normanno, Italy

002 13:05–13:17

Rapidly Evolving Biomarker Landscape – Tools to Keep Pace

Lukas Bubendorf, Switzerland

003 13:17–13:29

Improving cancer care with NGS biomarker testing

Paul Hofman, France

004 13:29–13:45

Panel Talk: Clinical Case Presentation and Discussion

All

005 13:45–14:05

Thyroid Clinical cases on RET/NTRK

Lori Wirth, USA

006 14:05–14:25

Lung Clinical cases on RET/NTRK

Noemi Reguart, Spain

007 14:25–14:30

Summary and close

Lukas Bubendorf, Switzerland

LS-08**Industry Symposium**

13:00–14:30

Sydney

Optimizing DNA Mismatch Repair (MMR) Analysis in Solid Tumors for Clinical Impact

(Roche Diagnostics)

Chair: Steven Stratton, USA

001

DNA Mismatch Repair Immunohistochemistry in Solid Tumours

Corrado D'Arrigo, United Kingdom

002

Molecular alternatives in MMR/MSI testing strategies

Philippe Taniere, United Kingdom

003

Clinical impact of MMR/MSI testing in solid tumours

Shobhit Bajjal, United Kingdom

LS-09**Industry Symposium**

13:00–14:30

Montreal

A Novel Approach to Targeting c-Met in NSCLC: Have Expectations Finally Been MET?

(Abbvie)

Chair: Ming Tsao, Canada

001 13:00–13:05

Welcome and Introductions

Ming Tsao, Canada

ES-01

Industry Symposium

19:30–20:30

Boston

Plasma Cell Enrichment in Multiple Myeloma Cytogenetic Testing: The Why, The How, and The When?
(Abbvie)
*Chairs: Ramon Garcia Sanz, Spain
Dinesh Rao, USA*

001 19:30–19:35
Welcome and Introductions
*Ramon Garcia Sanz, Spain
Dinesh Rao, USA*

002
Overview of Cytogenetic Testing in Multiple Myeloma, Importance of PCE for Cytogenetic Testing, and PCE Techniques
Dinesh Rao, USA

003
Guideline Recommendations
Ramon Garcia Sanz, Spain

004
Clinical Practice Implementation and Case Studies
All Faculty

005
Summary and Q&A
All Faculty

ES-02

Industry Symposium

19:30–20:30

Osaka/Samarkand

A case of biomarkers: revealing fresh evidence for locally advanced unresectable or metastatic G/GEJ adenocarcinoma
(Astellas)
Chair: Josef Rüschoff, Germany

001 19:30–19:33
Welcome and introductions
Josef Rüschoff, Germany

002 19:33–19:43
What do we know about locally advanced unresectable or metastatic G/GEJ adenocarcinoma?
Daniel Swinson, United Kingdom

003 19:43–19:58
The current evidence: Biomarker testing in locally advanced unresectable or metastatic G/GEJ adenocarcinoma
Josef Rüschoff, Germany

004 19:58–20:13
New clues for locally advanced unresectable or metastatic G/GEJ adenocarcinoma
Matteo Fassan, Italy

005 20:13–20:18
How can we collaborate to solve the mysteries of an evolving testing landscape?
All faculty

006 20:18–20:28
Q&A Session
All faculty

007 20:28–20:30
Symposium summary and close
Josef Rüschoff, Germany

► Monday, 5 September 2022

BRS-01

Industry Symposium

07:15–08:15

Singapore

New approaches to testing for homologous recombination deficiency
(AstraZeneca)
Chair: Albrecht Stenzinger, Germany

001 07:15–07:20
Welcome, introduction and housekeeping
Albrecht Stenzinger, Germany

002 07:20–07:50
Novel approaches to genomic instability testing in ovarian cancer patients
Albrecht Stenzinger, Germany

003 07:50–08:10
Implementing ctDNA testing in Prostate Cancer
Tracy Tucker, Canada

004 08:10–08:15
Q&A and closing remarks
Albrecht Stenzinger, Germany

BRS-02

Industry Symposium

07:15–08:15

Delhi

Digital Pathology and AI Transforming Clinical Practice
(Paige)
Chair: Juan Antonio Retamero, Spain

001
Welcome and Introduction to Digital Pathology
Juan Retamero, Spain

004 13:54–14:12

Biopsy collection in cholangiocarcinoma:
Current status and future perspectives
Ana Vivancos, Spain

005 14:12–14:27

Panel discussion and Q&A
All

006 14:27–14:30

Closing remarks
Aldo Scarpa, Italy

ES-03 Industry Symposium**19:30–20:30 Boston**

**Molecular biomarkers in metastatic
NSCLC: current and future perspectives**
(Daiichi Sankyo)

Chair: Reinhard Büttner, Germany

001

Welcome and introduction
Reinhard Büttner, Germany

002

Molecular testing in metastatic NSCLC:
the here and now
Reinhard Büttner, Germany

003

Emerging biomarkers for metastatic
NSCLC: the next generation
Sacha Rothschild, Switzerland

004

Real-world molecular testing:
sharing best practice
Umberto Malapelle, Italy

005

Audience Q&A and closing remarks
Audience and Faculty

► **Tuesday, 6 September 2022****BRS-04 Industry Symposium****07:15–08:15 Shanghai**

**Comprehensive molecular profiling –
speed and simplicity in solid tumor and
haemato – malignancies clinical research**
(Thermo Fisher Scientific)

Chair: Michael Hummel, Germany

001 07:15–07:20

Welcome & Introduction
Michael Hummel, Germany

002 07:20–07:35

The role of comprehensive genomic
profiling in solid tumor biomarker testing
Gorka Alkorta-Aranburu, Spain

003 07:35–07:50

NGS molecular profile of paediatric brain
tumours: results from 100 consecutive
patients treated at Centro Hospitalar
Universitário de São João
Jorge Lima, Portugal

004 07:50–08:05

The impact of NGS molecular profiling in
myeloid malignancies
Monica Lopez-Guerra, Spain

005 08:05–08:15

Q&A
Michael Hummel, Germany

BRS-05 Industry Symposium**07:15–08:15 Osaka/Samarkand**

**From genes to decisions: How to master
the increasing data flood in comprehen-
sive genomic profiling**
(Molecular Health)

*Chair: Marc-Alexander Rauschendorf,
Germany*

001

Introduction
Marc-Alexander Rauschendorf, Germany

002

Charité Comprehensive Cancer Center
Molecular Tumorboard: Experience with
MH Guide as an annotation tool for large
gene panels
Claudia Vollbrecht, Germany

003
Application of MH Guide and its value in molecular pathology routine diagnostics.
Carina Heydt, Germany

004
Q&A
Marc-Alexander Rauschendorf, Germany

LS-13

Industry Symposium

13:00–14:30

Singapore

Optimising Comprehensive Genomic Profiling Pathways with Reflex Testing (AstraZeneca)

Chair: *Sanja Dacic, USA*

001 13:00–13:05
Opening and introduction
Sanja Dacic, USA

002 13:05–13:20
NGS: the best tool for the job?
John Gosney, United Kingdom

003 13:20–13:35
The value and implementation of reflex testing
Fernando Lopez Rios, Spain

004 13:35–14:05
Examples of reflex NGS testing in different disease and clinical settings
Fernando Lopez Rios, Spain
John Gosney, United Kingdom

005 14:05–14:30
Audience Q&A and Close
Sanja Dacic, USA

LS-14

Industry Symposium

13:00–14:30

Sydney

Unlocking the future of digital pathology: open environment is the key! (Roche Diagnostics)

Chair: *Emilia Andersson, Sweden*

001
Welcome and introduction
Emilia Andersson, Sweden

002
Utilizing AI to accelerate clinical adoption of digital pathology
Doug Clark, USA

003
Enhancing Drug Development Success with AI Pathology
Erik Walk, USA

004
Modern Pathologist: How AI-driven revolution in medicine places pathologist in the centre of personalised healthcare
Konstanty Korski, Switzerland

005
The Digital Transformation of Pathology: Enabling digital pathology with a platform ecosystem
Michael Rivers, USA

006
Panel Discussion
All Speakers

LS-15

Industry Symposium

13:00–14:30

Montreal

Unlocking Precision Medicine with Genomics (Illumina)

Chair: *Phillip Febbo, USA*

001
Welcome and introduction
Phillip Febbo, USA

002
Erik Vassella, Switzerland

003
Victor Sementchenko, USA

LS-16

Industry Symposium

13:00–14:30

Boston

MET and KRAS: the rise of actionable biomarkers in NSCLC (Novartis)

Chair: *Paul Hofman, France*

001 13:00–13:03
Welcome and introduction
Paul Hofman, France

002 13:03–13:23
Rethinking pathology in the era of precision medicine: how to manage the growing set of targetable biomarkers
Paul Hofman, France

003 13:23–13:58

The changing landscape of healthcare policies in the era of personalized oncology
Rolf Stahel, Switzerland

004 13:58–14:18

Nurses, key partners in the transition to personalized medicine in oncology – Panel discussion

Jackie Fenimore, United Kingdom

Rolf Stahel, Switzerland

Paul Hofman, France

005 14:18–14:30

Q&A with the audience and Meeting closure

Paul Hofman, France

LS-17 Industry Symposium

13:00–14:30

Delhi

Rapid Precision Diagnostics Sharpening Treatment Decisions in NSCLC

(Biocartis)

Chair: **Alison Finall, United Kingdom**

001

Targeted therapy based on genomic analysis in NSCLC

Garcia-Foncillas Jesus, Spain

002

Integration of rapid PCR testing as an adjunct to NGS in diagnostic pathology services within the UK: Evidence from a case series of non-squamous, NS

Alison Finall, United Kingdom

003

Multicenter NSCLC comparison study using Idylla™ GeneFusion

Arndt Hartmann, Germany

004

Q&A

moderated by Chair: **Alison Finall**

ES-04 Industry Symposium

19:45–20:45

Osaka/Samarkand

AI-powered digital pathology platform: intro and practical use cases from translational research to diagnostics
 (Aifora Technologies)

Chair: **Thomas Westerling-Bui, Finland**

001

Welcome and introduction

Thomas Westerling-Bui, Finland

002

Live demonstration of Aiforia's cloud-based platform and how deep learning AI can bring precision to tasks like tumor grading, PD-L1 scoring

Thomas Westerling-Bui, Finland

003

Using the robust Aiforia platform to help predict ovarian tumor outcome, specifically in high-grade extrauterine serous carcinoma

Anna Laury, Finland

004

Q&A

Thomas Westerling-Bui, Finland

Acknowledgements

The ESP gratefully acknowledges the support of the following companies (as of 27 July 2022, to be continued on the next page).

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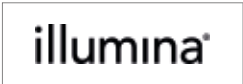
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Onco-Pathology Forum: A Multidisciplinary Approach to Biomarker Diagnostics and Care

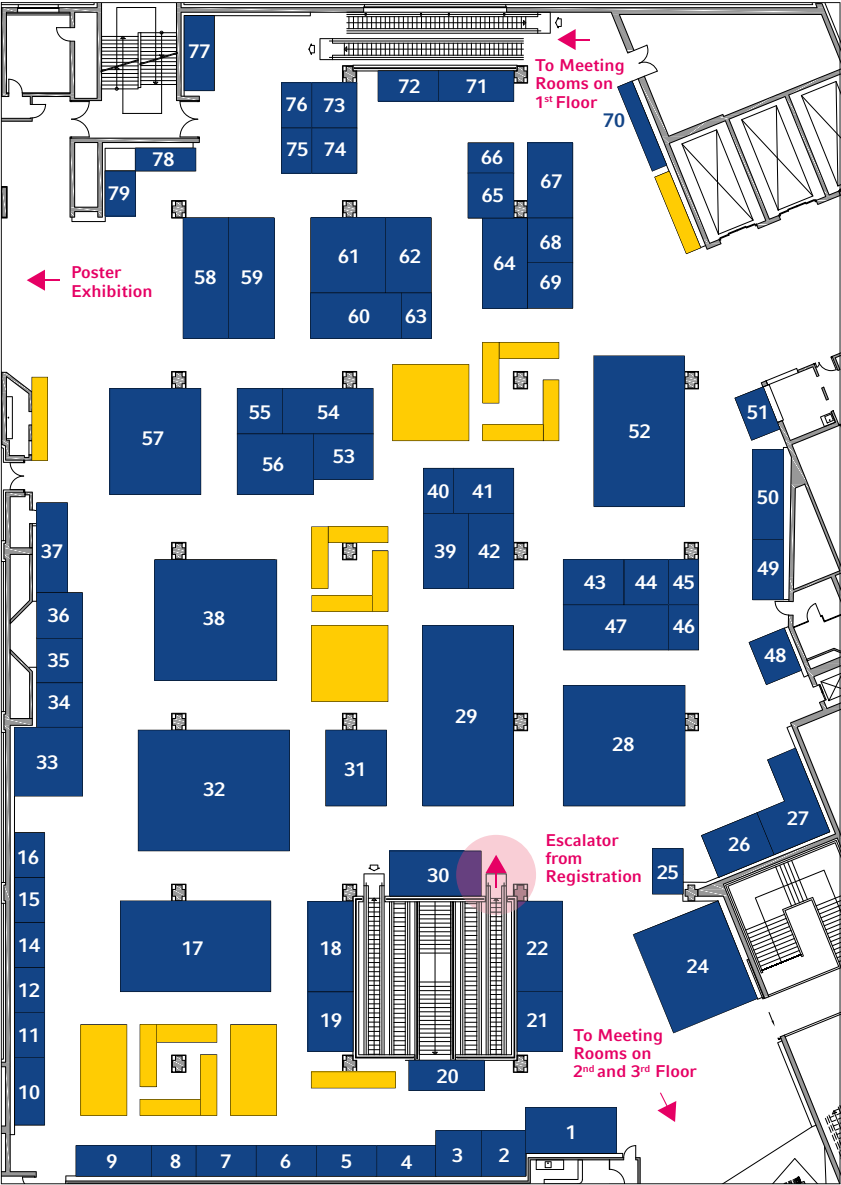
Sunday, 4 September 2022 | 13:00–14:30 CEST

13:00–13:15		Welcome and Introduction Professor Reinhard Büttner - Meeting Chair University of Cologne Cologne, Germany
13:15–13:25		Key Results of Immunotherapy Trials in Advanced Upper GI Tract Cancers: What Pathologists Need to Know From GI Oncology for Personalized Medicine Professor Markus Möhler Johannes Gutenberg-University Mainz Mainz, Germany
13:25–13:35		Are We Ready to Move Into an Age of Biomarker-Driven Neoadjuvant Therapy in Advanced Upper GI Tract Cancers? What GI Oncologists Need to Know From a Pathology Report Professor Thomas Zander University of Cologne Cologne, Germany
13:35–13:45		The GI Pathologist Perspective: Diagnostic Biomarkers for Advanced Upper GI Tract Cancers Professor Alexander Quaas University of Cologne Cologne, Germany
13:45–13:55		Biomarker-Driven Therapies in Bladder Cancer: What Uro-oncologists Need to Know From a Pathology Report Professor Juan Palou Redorta Autonomous University of Barcelona Barcelona, Spain
13:55–14:05		Biomarker-Driven Therapies Beyond Immuno-Oncology: What Oncologists Need to Know From a Pathology Report Professor Aristotelis Bamias National and Kapodistrian University of Athens Athens, Greece
14:05–14:15		The Uro-pathologist Perspective: Diagnostic Biomarkers for Bladder Cancer Professor Eva Compérat Medical University of Vienna Vienna, Austria
14:15–14:30		Audience Q&A to Follow Presentations

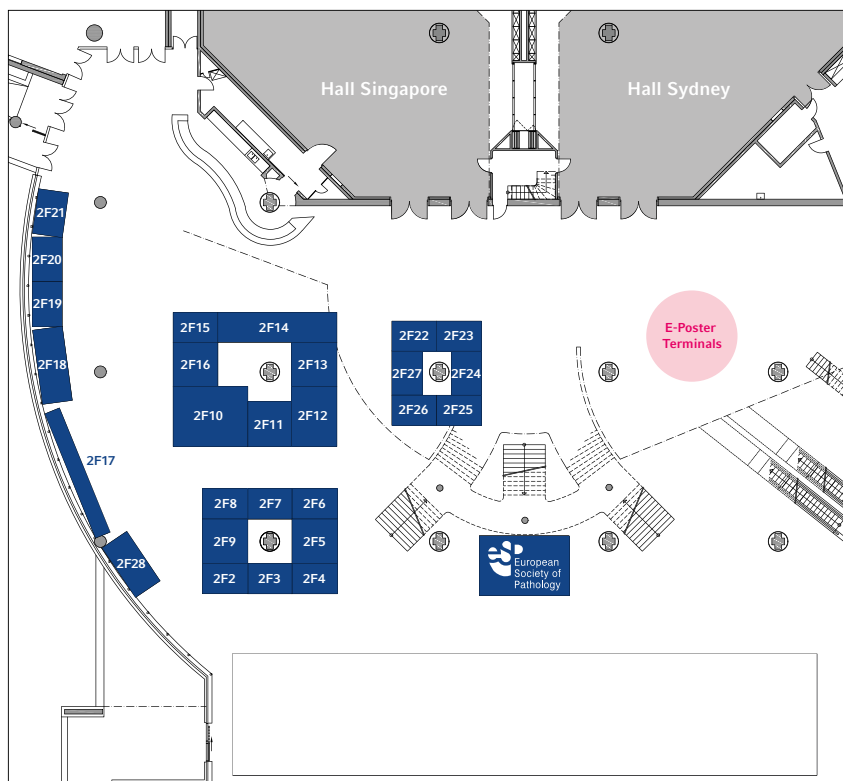
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Exhibition Floor Plan

Hall 4.1 (1st Floor)



 Catering

► Foyer 2nd Floor

► Exhibitors in alphabetical order (as of 27 July 2022)

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► Social Events

Availability is limited, so tickets for the social events will be sold on a first-come, first-served basis. Please purchase your ticket at least one day prior to the respective event.

► Opening Ceremony and Networking Reception

Saturday, 3 September 2022

► 19:00 – 22:00, Congress Center Basel

Join the official Opening Ceremony of the 34th European Congress of Pathology in Room San Francisco of the Congress Center Basel. During the ceremony, there will be words of welcome by the President of the ESP, the Chair of the LOC and a representative of the city of Basel, Dr. L. Engelberger, Member of the Executive Council as well as entertainment by a yodel ensemble and a drumming group.

The Opening Ceremony will be followed by a Networking Reception in the Exhibition Hall 4.1 and the Foyer on the 2nd Floor.

The Opening Ceremony is kindly supported by SGPath.

► Congress Concert

Monday, 5 September 2022

► 20:00-22:00, Stadtcasino Basel



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The congress concert will take place in Basel's no. 1 concert hall. The "Swiss Piano Trio" will perform a classical chamber music programme full of virtuosity and poetry for the ECP audience.

Price per person

- Member: EUR 20
- Non-Member: EUR 40

► Congress Evening

Wednesday, 7 September 2022

► 20:00-24:00 Volkshaus Basel



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With its historical halls and the tree-covered inner courtyard, the Volkshaus provides for a unique experience. The venue is characterised by the combination of classical architecture with modern elements and contemporary art.

Enjoy the last evening with your friends, colleagues and pathologists from all over the world, indulge in international brasserie cuisine and get on the dance floor!

Price per person

- Member: EUR 10
- Non-Member: EUR 50

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1. Janssen, Pharmaceutical Companies of Johnson & Johnson. RYBREVENT[™] (amivantamab-vmjw) Receives FDA Approval as the First Targeted Treatment for Patients with Non-Small Cell Lung Cancer with EGFR Exon 20 Insertion Mutations. Available at: <https://bit.ly/3Rts7GD>. Accessed: July 2022.

2. FDA approves first targeted therapy for metastatic bladder cancer. Available at: <https://bit.ly/3vIMfag>. Accessed: July 2022.

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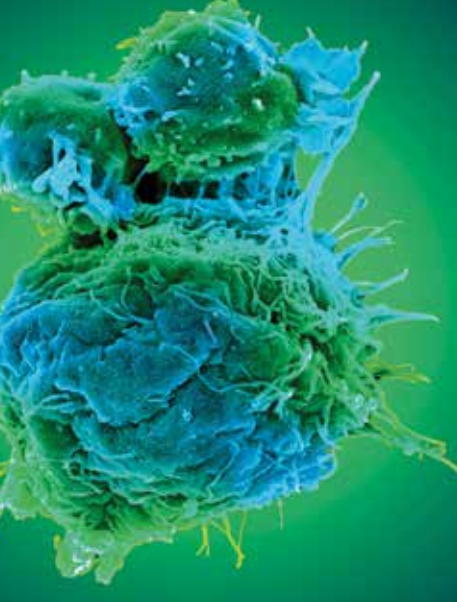
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European Society of Pathology





Satellite symposium at
ECP sponsored by MSD

Exploration of actionable biomarkers in determining eligibility for immunotherapy

**Sunday,
04 September 2022**

13:00 - 14:30 (CET)

Chair



Lukas Bubendorf

Head of Cytopathology
University Hospital Basel
Institute of Medical
Genetics and Pathology
Basel, Switzerland

Faculty



Arndt Hartmann

Institute of Pathology
Friedrich-Alexander-
University
Erlangen-Nürnberg
University Hospital
Erlangen, Germany



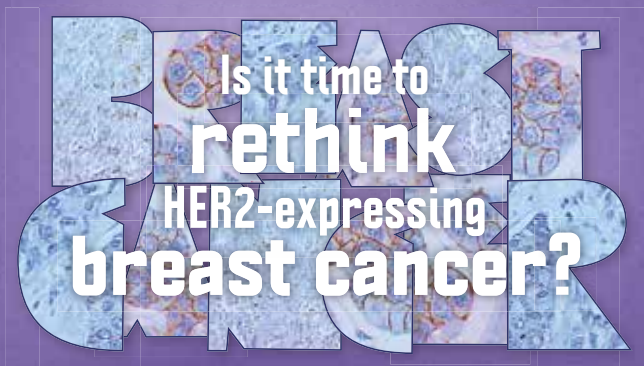
**Paula Borralho
Nunes**

Director of Cuf Oncology
and Faculty of Medicine
University of Lisbon
Lisbon, Portugal

Agenda

13:00 - 13:05	Welcome and introductions <i>Lukas Bubendorf</i>
13:05 - 13:25	Keeping up with the evolving PD-L1 landscape <i>Arndt Hartmann</i>
13:25 - 13:45	Panel discussion: New kids on the block - Recent PD-L1 indications and practical considerations for scoring <i>Lukas Bubendorf/Faculty</i>
13:45 - 13:55	Discussion and Q&A <i>Faculty</i>
13:55 - 14:15	The increasing relevance of MSI/MMR testing in oncology <i>Paula Borralho Nunes</i>
14:15 - 14:25	Discussion and Q&A <i>Faculty</i>
14:25 - 14:30	Closing remarks <i>Lukas Bubendorf</i>

Agenda may be subject to change pending speaker confirmation



4 September 2022, 13:00–14:30 CEST

Singapore room, Congress Center Basel, Basel, Switzerland

13:00–13:05



Welcome and introduction

Prof. Giuseppe Viale

University of Milan School of Medicine, European Institute of Oncology, Milan, Italy

13:05–13:25



What are the challenges in scoring HER2 in breast cancer?

Prof. Annette Lebeau

University Medical Centre Hamburg-Eppendorf, Hamburg, Germany

13:25–13:35



Prevalence and characteristics of breast cancers expressing low levels of HER2

Prof. Giuseppe Viale

University of Milan School of Medicine, European Institute of Oncology, Milan, Italy

13:35–13:50



Recent developments in breast cancers expressing low levels of HER2

Prof. William Jacot

Department of Medical Oncology, Institut du Cancer de Montpellier, Montpellier, France

13:50–14:05



What does the future hold for HER2 testing in breast cancer?

Dr Federico Rojo

Fundación Jiménez Díaz University Hospital, Madrid, Spain

14:05–14:20

Panel discussion and Q&A

Moderated by Prof. Giuseppe Viale

14:25–14:30

Closing remarks

Prof. Giuseppe Viale