



Pulmonary Pathology Working Group

Annual report - 2017

During 2017, our Group has been active in organizing several scientific initiatives. Padova EScoP was held on February 9-10 and it was fully booked (50 participants) in a few weeks.

A high-quality program was planned for the annual ESP congress held in Amsterdam: three joint sessions with other working groups (perinatal/pediatric pathology WG, endocrine pathology WG and infectious disease WG), a videomicroscopy session, a slide seminar, three symposia, an oral free paper session and a poster session. All the sessions were well attended and successful with lively discussions. The business meeting was scheduled at the end of the slide seminar session.

The pulmonary pathology program started with a videomicroscopy session jointly organized with the infectious disease pathology WG. Each of five speakers presented two cases during live microscopy. Some additional information was supported by power point presentations. The cases were intriguing and raised interesting comments and discussion.

Fiorella Calabrese and Wim Timens chaired the first symposium entitled, Options for targeted therapy in lung cancer. Lina Carvalho presented new biomarkers in lung cancer with specific focus on immune checkpoints. Immunotherapy and potential predictive biomarkers were extensively covered during industry symposia as well. Paul Hoffman gave us an overview lecture on liquid biopsy with future directions and a possible role in the field of lung cancer patient management. In vitro and in vivo experimental models are essential to understand the basic principles of cancer biology and Helmut Popper extensively presented this. Tumor heterogeneity is a hot topic with contradictory published data. Reinhard Büttner explained biological and therapeutical implications of this

phenomenon. The speakers showed the excellence of their research and the competence in the subject they dealt with.

The slide seminar session challenged the audience with eosinophilic lung diseases. Angeles Montero-Fernandez presented a case of eosinophilic vasculitis with granulomatosis diagnosed in a lung explant specimen. Patrizia Morbini shared a case of drug-related eosinophilic pneumonia. Wim Timens and Katrien Grünberg both shared the topic of pulmonary Langerhans cell histiocytosis with an in-extenso update on this matter.

During the business meeting, the president of the PPWG Fiorella Calabrese gave us a summary of the PPWG activity. A membership list is regularly updated. In the future, more energy by our WG will be directed towards young pulmonary pathologists to involve them in WG activities. Colleagues who work in the field of pulmonary pathology will be stimulated to join our WG. The best poster presented at the Cologne ESP Congress last year was awarded to Y. Nakatani & M. Furuya.

The symposium "Inherited and developmental lung disorders" was jointly organized together with the pediatric pathology WG, chaired by Ulrike Gruber-Moesenbacher and Marta Cohen. Alistair Calder (radiologist) presented the basics of lung imaging diagnostic procedures for pathologists. Aurore Coulomb spoke on handling lung biopsy and BAL specimens in children with a special focus on ancillary techniques. Megan Dishop presented new insights on alveolar dysgenesis and capillary dysplasia. Knowledge on CPAM is expanding. Helmut Popper discussed data that argue against CPAM as one disease concept. Marta Cohen spoke on the role of pathologists in infectious pulmonary diseases in the pediatric population.

A hot topic beyond the WHO 2015 classification of lung neuroendocrine tumors was presented during the joint symposium with the endocrine pathology WG. Jules Derks critically evaluated the current WHO classification of lung neuroendocrine tumors and focused on recommendations for clinical practice. Genomics and predictive potential as well as prognostic biomarkers was a logical topic of the lecture given by Ernst Jan Speel. Large cell neuroendocrine carcinoma has a wide morphological spectrum that raises a question about this one entity. This issue was thoroughly presented by Giuseppe Pelosi. The session ended with Erik Thunnissen's talk on SCLC news.

Fifteen speakers, mainly young researchers, presented their interesting research works in the Oral Free Paper Session on pulmonary and mediastinal pathology.

During the morning coffee break, many people visited the Poster session. Most of the presenters were active and qualified. Besides 48 conventional poster presentations, there was a separate electronic poster session with nine posters. Based on scientific content and poster presentation a committee (poster session chairs and PPWG board members) selected to award for the best poster author Aernoud van Batenburg's group (the Netherlands) for their work entitled Telomere shortening in type II pneumocytes relates to fibrotic areas in idiopathic pulmonary fibrosis and has a detrimental effect on survival

Pulmonary pathology topic lectures and presentations were also included in the program of other working group sessions (infectious disease pathology, cytopathology and molecular pathology) as well as an ESP/ESMO special session on PD-L1 as a predictive biomarker.

Plans for the upcoming year were briefly presented.

The second ESCoP course on Lung Transplant Pathology has been planned in Padova, June 7-9, 2018.

The PPWG program proposal for the next ESP Congress in Bilbao has been proposed together with the ESP scientific board. Based on positive feedback from the last congress, two joint sessions, a videomicroscopy session and a symposium were planned.

Thank you for reading this short report and for your support of the PPWG. Please feel free to contact us for any questions or suggestions.

Fiorella Calabrese, President of PPWG



Izidor Kern, Secretary of PPWG

