

Program of the 17th conference “Advances in Pneumology”
3 - 5 November 2023 in Vienna - Austria

Conference location:

Renaissance Wien (Marriott Hotels)
Ullmannstrasse 71, 1150 Wien - Österreich

Friday, 3rd of November 2023

“get together” - starts at 7.00 pm at the lobby bar of the conference hotel

1st day of conference Saturday, 4th of November 2023

Conference opening 9.00 – 9.15 am

Welcome remarks: **Prof. Kurt Rasche (GER)** and **Prof. Mieczyslaw Pokorski (POL)**

Keynote talk 9.15 – 10.00 am

Prof. Ivan Poliaček (Martin, SLO). Cough - behavior, symptom, disease.

10.00 am – 10.30 am coffee break

I session 10.30 am - 12.00 pm (4 speeches à 20 min)

Lung Function, Cough

Chairmen: Kurt Rasche (GER) and Mietek Pokorski (POL)

- 1) **D. Friedrich, J. Yayan, K. Rasche, U. Sommerwerck (GER)**. Bronchiectasis: clinical and radiological manifestaion and quality of life.
- 2) **I. Poliaček, M. Veternik, M. Šimera, D. Berikova, L. Martvon (SLO)**. Spatio-temporal changes in cough response in cats.
- 3) **M. Pokorski (POL)**. Olfactory and carotid body chemosensing: a peculiar link.
- 4) **M. Šimera, D. Berikova, L. Martvon, M. Veternik, Z. Kotmanova, I. Poliaček (SLO)**. GABA-ergic inhibition of cough in the nucleus of solitary tract in cats.

12.00 am – 1.00 pm lunch break

II session 1.00 pm – 2.30 pm (4 speeches à 20 min)

Respiratory Pathophysiology

Chairmen: Frank Hoffmeyer (GER) and J. Mažerik (SLO)

- 1) **F. Hoffmeyer, A. Beine, C. Nöllenheidt, O. Kleinmüller, A. Lotz, E. Zahradnik, I. Sander, A. Nienhaus, M. Raulf (GER)**. Factors influencing the lung function of employees in veterinary practices.
- 2) **J. Mažerik, E. Gondáš, M. Dohál, L. Smieško, M. Jošková, S. Fraňová, M. Šutovská (SLO)**. Targeting TMEM16A ion channels suppresses airway hyperreactivity, inflammation, and remodeling in an experimental guinea pig asthma model.
- 3) **S. Mäsiarová, M. Dohál, K. Pršo, I. Porvazník, I. Solovič, J. Mokry (SLO)**. Determination of the profile of inflammatory markers in patients with active pulmonary tuberculosis.
- 4) **V. van Kampen, C. Eisenhawer, T. Brüning and R. Merget (GER)**. A case of hypersensitivity pneumonitis in a cable production worker with antibodies to phthalic anhydride.

2.30 pm – 3.00 pm coffee break

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III session 3.00 pm – 5.00 pm (6 speeches à 20 min)

Respiratory infections in the COVID-19 Era

Chairmen: Eike Marek (GER) and Volodymyr Portnichenko (UKR)

- 1) **E-M. Marek, V. van Kampen, B. Jettkant, B. Kendzia, B. Strauß, M. Ulbrich, S. Widmer, A. Deckert, H. Berresheim, F. Hoffmeyer, C. Eisenhawer, S. Weidhaas, T. Brüning, J. Bünger (GER)**. Comparison of different methods of measurement in body plethysmograph examinations while wearing different face masks for protection against SARS-CoV-2.
- 2) **M. Dohál, A. Spitaleri, F. di Marco, V. Dvořáková, S. Mäsiarová, M. Škereňová, I. Porvazník, I. Solovič, J. Mokry (SLO)**. Antibiotic resistance and transmission of Mycobacterium abscessus subspecies in cystic fibrosis and non-cystic fibrosis patients, Czech Republic, 2018-2022.
- 3) **T. Dynowski, J. Rybacka-Mossakowska, S. Michalak (POL)**. The spectrum of post-acute COVID-19 neurological symptoms and humoral response against neural antigens.
- 4) **T. Dynowski, M. Leszczyńska, J. Rybacka-Mossakowska, S. Michalak (POL)**. Neuropathological approach to post-COVID-19 anosmia.
- 5) **D. Siedlecka, A. Baszczuk, A. Płóciniczak, A. Ludziejewska, A. Thielemann, E. Wysocka (POL)**. Humoral and cellular immune response after vaccination against COVID-19.
- 6) **J. Yayan, K. Rasche**. The role of artificial intelligence in tuberculosis management: systematic review and meta-analysis.

7 pm network evening

Restaurant Esterházykeller

Haarhof 1, 1010 Wien, Österreich

2nd day of conference Sunday, 5th of November 2023

IV session 9.30 am – 11.10 am (5 speeches à 20 min)

Lung fibrosis in Context

Chairman: Matúš Dohál (SLO) and Alla Portnichenko (UKR)

- 1) **E-M. Marek, V van Kampen, B. Jettkant, B. Kendzia, B. Strauß, M. Ulbrich, S. Widmer, A. Deckert, H. Berresheim, F. Hoffmeyer, C. Eisenhawer, S. Weidhaas, T. Brüning, J. Bünger (GER)**. Influence of different face masks on physiological parameters during 4 hours of light and moderate work under real workplace conditions.
- 2) **R.V. Yanko, P.K. Tsapenko, M.I. Levashov, M.O. Zavorodnii, V.I. Portnichenko (UKR)**. Morpho-functional features of pulmonary manifestations in burn disease and their correction with melatonin.
- 3) **P.K. Tsapenko, M.O. Zavorodnii, M.G. Kozlovskaya, A.M. Sydorenko, A.G. Portnychenko, V.I. Portnichenko (UKR)**. Imitation of gas exchange and the development of hypometabolic state under lipid overload are risk factors for the development of type 2 diabetes in rats.
- 4) **H.M. Winiarska, E. Wysocka, L. Bielawska, A. Płóciniczak, T. Piorunek, S. Cofta**. Can the Epworth sleepiness scale be a predictor of obstructive sleep apnea and endothelial dysfunction?
- 5) **J. Yayan, K. Rasche**. A comprehensive review of risk factors for sleep apnea.

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11.10 am – 11.40 am coffee break

V session 11.40 am – 1.20 pm (5 speeches à 20 min)

Respiration and Environment

Chairmen: Vera van Kampen (GER) and Adam Holownia (POL)

- 1) **A. Beine, C. Eisenhawer, T. Brüning, F. Hoffmeyer (GER)**. Evaluation of pharmacological treatment for COPD in the elderly caused by occupational exposure to respirable crystalline silica.
- 2) **M. Roslan, P. Szoka, K. Maciorowka, A. Holownia (POL)**. E-cigarettes toxicity to A549 cells.
- 3) **A. Niechoda, K. Milewska, J. Roslan, A. Holownia (POL)**. Activation of NFκB and H2A.X in monocyte-macrophage cells exposed to air pollutants.
- 4) **P. Szoka, K. Maciorowska-Roslan, M. Roslan, A. Holownia (POL)**. Effects of cigarette smoke extract in THP-1 cells.
- 5) **S. Siatkowski, M. Sikora, B. Hall, A. Terbalyan, A. Grabowska (POL)**. The effects of inspiratory muscle training on lung function – a pilot study.

1.20 pm – 2.20 pm lunch break

VI Respiratory Infections

2.20 pm – 5.00 pm (5 speeches à 20 min)

Chairmen: Ruediger Siekmeier (GER) and Aleksandra Zebrowska (POL)

- 1) **A. Holownia, A. Niechoda, J. Roslan, K. Ejsmont, K. Milewska (POL)**. Air pollutant nanoparticles prime macrophages for inflammatory response.
- 2) **A. Ryba, S. Röseler, S. Blank, M. Gately, K-P. Ringel, U. Sommerwerck (GER)**. DRESS syndrome during treatment of infection with non-tuberculous mycobacteria.
- 3) **R. Siekmeier, J. Hannig, K. Rasche, W. März (GER)**. Product problems in companion diagnostic tests (CDx) – Analysis of field safety notes published by BfArM until end 2022.
- 4) **A. Portnychenko, R. Aliiev, M. Kozlovska, L. Topchanyuk, S. Abuwatfa, M. Zavorodnii, A. Zhukovsk, M. Vasylenko, V. Nosar, K. Rozova (UKR)**. Pneumonia course on the background of type 2 diabetes associates with disorders of energy metabolism and leptin regulation.
- 5) **M. Sikora, B. Hall, R. Mikołajczyk, O. Łakomy, K. Pilzak, A. Żebrowska (POL)**. Impact of air pollution on lung function and respiratory impedance.
- 6) **A. Żebrowska, M. Sikora, B. Hall, E. Sadowska-Krępa (POL)**. Antioxidant enzymes and oxidative stress adaptation to exercise training in hypoxia.
- 7) **A. Płóćniczak, A. Dżumak, H. Winiarska, S. Michalak, L. Bielawska, S. Cofta, E. Wysocka (POL)**. Paraoxonase 1 in obstructive sleep apnea – enzyme activity and gene Q192R polymorphism.
- 8) **M. Zawadka-Kunikowska, Ł. Rzepiński, M. Cieślicka, J. Fanslau, J.J. Klawe, M. Tafil-Klawe (POL)**. The relationship between cardiovascular autonomic parameters and pulmonary function in patients with myasthenia gravis – preliminary results.

5.00 – 5.10 pm closing speech and a presentation of the location next year

THE END