

XIV International Conference **Advances in Pneumology**



Opole, Poland
October 12-13, 2018

Venue

Opole Medical School
68 Katowicks Street
45-060 Opole, Poland



Scientific Program

Organizers

Prof. Mieczyslaw Pokorski

Biophilia, Warsaw, Poland and Opole Medical School (PL)

Scientific Committee

Prof. Kurt Rasche

HELIOS Universitätsklinikum Wuppertal – Universität Witten/Herdecke Bergisches
Lungenzentrum, Wuppertal (DE)

Prof. Monika Raulf

Research Institute for Prevention and Occupational Medicine of the German Social Accident
Insurance, Institute of the Ruhr University Bochum (IPA) (DE)

Prof. Katarzyna Życińska

Department of Family Medicine, Internal and Metabolic Diseases, Medical University of Warsaw
(PL)

Dr. hab. Ernest Kuchar

Department of Pediatrics with Clinical Decisions Unit, Second Medical Faculty, Warsaw Medical
University (PL)

Dr. hab. Agnieszka Mastelarz-Migas

Department of Family Medicine, Wrocław Medical University, Wrocław (PL)

Dr. hab. Aneta Nitsch-Osuch

Department of Social Medicine and Public Health, Medical University of Warsaw (PL)

Conference Outline

Friday, October 12, 2018

Scientific conference: 09:00 to 18:30

Lunch break 13:15 – 14:00

Conference Dinner at 19:30 – Radiowa (Radio) Restaurant, 8 Strzelców Bytomskich Street,
45-084 Opole

Saturday, October 13, 2018

Scientific conference: 9:00 to 13:30

Farewell lunch 13:30

Conference Program

12 min oral communications + 3 min discussion
English is the conference language

Friday, October 12, 2018

09:00-09:15 - Opening Remarks - M. Pokorski, K. Rasche (Organizers)
Welcome note by T. Halski (University President)

Hall A

09:15 – 11:00

Session I – Respiration, Pathophysiology

Chairs: K. Zycinska (Warsaw/PL), M. Pokorski (Warsaw/PL)

The role of ventral respiratory column in regulation of cough
I. Poliacek (Martin/SK)

Do *SERPINA*-1 gene variants affect the clinical course of granulomatosis with polyangiitis
M. Hadzik-Błaszczuk (Warsaw/PL)

Voltage-gate sodium channels as potential targets to suppress pathological cough
M. Brozmanova (Martin/PL)

Cigarette smoking – an important risk factor for development and progression of multiple sclerosis
R. Siekmeier (Bonn/DE)

Are aging processes dependent on carotid body activity ?
C. Di Giulio (Chiet/IT)

Comparison of cough response between specific pathogen-free and conventional animals in naïve guinea pigs
J. Plevkova (Martin/SK)

Echo cardiographie Assessment in Patients with Granulomatosis with Polyangiitis
K. Życińska (Warsaw/PL)

May noninvasive ventilation facilitate safe bronchoscopy performance in patients with respiratory failure?
S. Skoczyński (Katowice/PL)

Coffee break 11:00 – 11:30

11:30 – 13:15

Session II Respiratory Cancer

Chairs: M. Brozmanova (Martin/SK), AJ Badyda (Warsaw/PL)

The influence of obesity on the pain intensity during postoperative period in the patients after lung cancer surgery

M. Majchrzak (Wroclaw/PL)

The risk of cardiopulmonary diseases and lung cancer mortality in Polish cities in 2006-2015 due to PM2.5 exposure

J.A. Badyda (Warsaw/PL)

The assessment of lung function and 6-minute walk test in the elderly patients with lung cancer diagnosis – mission (im)possible in the prediction of the postoperative risk?

M. Franczuk (Warsaw/PL)

Quality of life assessment in the patients with advanced non-small-cell lung cancer receiving palliative chemotherapy

C. Daroszewski (Wroclaw/PL)

Mitochondrial respiration in intact peripheral blood mononuclear cells isolated from patients with lung and breast cancer

S. Michalak (Poznań/PL)

The effectiveness of prosthetic rehabilitation using maxillary obturators with oral cancer patients.

K. Juszczyszyn (Warsaw/PL)

Elevated levels of GITR (glucocorticoid-induced TNFR-related protein) and TIM-3 (T cell immunoglobulin- and mucin-domain-containing molecule-3) in bronchoalveolar lavage fluid (BALF) of patients with advanced non-small cell lung cancer

W. Naumnik (Bialystok/PL)

Hall B

09:15 – 11:00

Session III – Respiration, Infections - I

Chairs: M. Raulf (Bochum/DE), T.M. Zielonka (Warsaw/PL)

Circulating P-selectin and its glycoprotein ligand in non-diabetic obstructive sleep apnea patients.

H. Winiarska

Impact of education and informative interventions on influenza vaccine coverage rates in nursing staff

A. Nitsch–Osuch (Warsaw/PL)

Perception, knowledge and influenza vaccine coverage rates among pregnant women in Poland

A. Nitsch–Osuch (Warsaw/PL)

Role of analytical interferences in in-vitro diagnostics – analysis of field safety notices published by the BfArM in Germany published 2015-2018

R. Siekmeier (Bonn/DE)

The impact of increased body weight on immunological response in children with allergic diseases

J. Królikowska (Warsaw/PL)

Typical and atypical bacteria in children with pneumonia

A. Jama–Kmieciak (Wrocław/PL)

Virological and epidemiological situation in the 2016/2017 and 2017/2018 influenza epidemic seasons in Poland

E. Hallmann–Szelińska (Warsaw/PL)

Infections with respiratory viruses in people over 14 years of age in Poland in the 2017/2018 epidemic season

K. Szymański (Warsaw/PL)

Coffee break 11:00 – 11:30

11:30 – 13:15

Session IV – Sleep Disordered Breathing

Chairs: K. Rasche (Wuppertal/DE), J. Plevkova (Martin/SK)

Who else suffers from sleep disorders breathing – the problem of snoring from a perspective of the bed partner

E. Dzieciołowska–Baran (Szczecin/PL)

Partners' observations of sleep disorders in pregnant women

A. Gawlikowska–Sroka (Szczecin/PL)

Sleep disturbances in primary hyperparathyroidism before and after parathyroidectomy

K. Rasche (Wuppertal/PL)

Indications for the use of mandibular advancement devices in people with obstructive sleep apnea symptoms

J. Kostrzewa–Janicka (Warsaw/PL)

Prevalence and association between the risk of obstructive sleep apnea and arterial hypertension in the adult population in Poland: an observational sub study of the Prospective Urban Rural Epidemiology Study (PURE)

K. Postrzech–Adamczyk (Wrocław/PL)

Evaluation of selected anthropometric factors in the assessment of obstructive sleep apnea (OSA) risk in patients with metabolic syndrome

K. Strójuwaś (Katowice/PL)

Evaluation of usefulness of elbow sign in predicting severity of obstructive sleep apnea syndrome

M. Guzik (Wrocław/PL)

Lunch 13:15-14:00

HALL A

14:00 – 16:00

Session V - Asthma, Allergy, COPD

Chairs: F. Hoffmeyer (Wuppertal/DE), J. Głębocka (Cracow/PL)

Stress as a factor determining evaluation of dehumanizing behaviors

A. Głębocka (Cracow/PL)

Influence of sleep-disordered breathing on quality of life and exercise capacity in lung transplant recipients

F. Kruse (Wuppertal/DE)

The evidence for mitochondrial respiration in exosomes from bronchial-alveolar lavage

S. Michalak (Poznań/PL)

Heart rate variability changes in asthma patients

I. Tuleta (Muenster/DE)

Genetic factor among people with COPD

I. Karpeta-Pawlak (Szczecin/PL)

Current possibilities of applying simulated high-altitude conditions in the therapy of asthma and allergic diseases of the upper respiratory tract in school-age youth

Ł. Gojny (Wroclaw/PL)

May chronic obstructive pulmonary disease impact platelet count? Pilot study

M. Ogonowski (Katowice/PL)

Strategies of coping with pain - differences associated with the histological type of lung cancer

B. Jankowska-Polańska (Wrocław/PL)

Coffee break 16:00 – 16:30

16:30 – 18:30

Session VI – Respiration, Infections - II

Chairs: M. Raulf (Bochum/DE), W. Naumnik (Bialystok/PL)

Nitric oxide in exhaled breath: Measurement of the alveolar, bronchial, and nasal fraction. Clinical utility

T. Dymek (Pro Vita, DE/PL)

Economical assessment of different hospitalization criteria in children with community-acquired pneumonia

A. Chróściewicz (Warsaw/PL)

Impact of Polish community-acquired pneumonia guidelines on pneumonia-related hospitalizations in children
A. Chróściewicz (Warsaw/PL)

Implementation of national bronchiolitis management guidelines
M. Czajkowska (Warsaw/PL)

Blood gas analysis in children hospitalized due to bronchiolitis
M. Czajkowska (Warsaw/PL)

Respiratory complications in children hospitalized with RSV infection
A. Wrotek (Warsaw/PL)

Three versus seven-day influenza prophylaxis in children
A. Wrotek (Warsaw/PL)

Tuberculosis incidence in Bochnia district and Małopolska voivodeship in 2013-2017
K. Okręglicka (Warsaw/PL)

Hall B

14:00 – 16:00

Session VII – Respiratory Neurobiology

Chairs: I. Poljacek (Martin/SK), V. Liebers (Bochum/DE)

Whole blood assay with cell activation and cytokine release as an ex vivo tool to describe effects after inhalative zinc oxide exposure
V. Liebers (Bochum/DE)

Canonical and noncanonical autophagy in THP-1 cells exposed to urban dust
A. Holownia (Białystok/PL)

Prevalence of sleep apnea in patients with carotid artery stenosis
A. Świącicka-Kłama (Wrocław/PL)

Cytotoxicity, oxidative stress and autophagy in human alveolar epithelial cells (A549) exposed to urban air particles
A. Łukaszewicz (Białystok/PL)

Cigarette smoke affects human alveolar basal epithelial cell growth (A-549 cells) in culture
P. Szoka (Białystok/PL)

Sialidase attenuates erlotinib response in human alveolar epithelial cells (A549 cell line) stimulated by EGF
A. Rybak (Białystok/PL)

Computational modeling of cough and breathing
M. Lukas (Martin/SK)

The central pattern of tracheobronchial cough is affected by lung volume feedback in cats
M. Šimera (Martin/SK)

Coffee break 16:00 – 16:30

16:30 – 18:30

Session VIII – Noncommunicable Diseases

Chairs: A. Holownia (Białystok/PL), R. Siekmeier (Bonn/DE)

Exhaled nitric oxide and nasal nitric oxide in relation to the pattern of sensitization
F. Hoffmeyer (Bochum/DE)

Risk of postoperative respiratory failure in patients after acute type A dissection surgery
A. Hirnle (Wrocław/PL)

What desired effects could patients with IPF expect after three months of pirfenidone treatment?
D. Jastrzębski (Zabrze/PL) /

Sarcoidosis among hospitalized patients in Poland. A hospital register-based study.
K. Kanecki (Warsaw/PL)

Incidence of lung or mediastinum abscesses may be related to environmental factors in Poland.
K. Kanecki (Warsaw/PL)

Anxiety and depression assessment in patients with non-small cell lung carcinoma in relation to mental adjustment to cancer evaluated using the MINI-MAC scale
B. Jankowska-Polańska (Wrocław/PL)

The analysis of immunoglobulin A, M, G blood levels and the concentration of metals in the blood serum in adolescents
I. Pirogowicz (Wrocław/PL)

The analysis of possible link between class E specific antibodies and concentrations of metals in a group of pediatric patients
I. Pirogowicz (Wrocław/PL)

19:30

Gala dinner in a downtown restaurant

Saturday, October 13, 2018

Hall A

09:00 – 11:00

Session IX – Respiration, Infections - III

Chairs: F. Hoffmeyer (Bochum/DE), T.M. Zielonka (Warsaw/PL)

Protection of immunocompromised travelers by vaccination
F. Van Overfeld (The Netherlands)

The influence of 75g glucose load on paraoxonase-1 activity in serum of obstructive sleep apnea patients due to the enzyme gene L55M polymorphism
A. Płóciniczak (Wrocław/PL)

Inflammatory markers in children hospitalized due to influenza
E. Zawłocka (Warsaw/PL)

Influence of influenza A subtypes on clinical course of influenza in hospitalized children
E. Zawłocka (Warsaw/PL)

Unmet needs are related to pro-healthy behavior and direct medical costs in patients with chronic respiratory diseases
M. Duda–Sikuła (Wrocław/PL)

The influence of isotonic saline nebulization on spirometric parameters in children suffering from respiratory tract diseases
K. Wójtowicz (Wrocław/PL)

Infections caused by influenza viruses among the children in Poland during the 2017/2018 epidemic season
K. Łuniewska (Warsaw/PL)

Biofilm formation and bacterial surface adhesion of cystic fibrosis derived, multi-drug resistant *Pseudomonas aeruginosa*
Ł. Minarowski (Białystok/PL)

Coffee Break 11:00 - 11:30

11:30 – 13:30

Session X: Respiration, Infections IV

Chairs: F. van Overfeld (The Netherlands/NL), I. Tuleta (Bonn/DE)

Age at menarche and risk of allergic diseases
Martyna Żurawiecka (Cracow/PL)

The SENTINEL as the main influenza surveillance system in Poland
K. Łuniewska (Warsaw/PL)

Can quick CRP test be helpful with lowering antibiotics therapy frequency in cases of acute respiratory tract infections in children?

K. Markiewicz (Wrocław/PL)

Respiratory microbiology of adult patients with cystic fibrosis in Poznan Center

J. Wlizło (Poznań/PL)

Polish experience in the IMOVE project

J. Bogusz (Warsaw/PL)

The effect of serum vitamin D concentration on immunogenicity of influenza vaccination in patients aged 60-75

A. Sławin (Wrocław/PL)

Occurrence of influenza hemagglutinin antibodies among the Polish population in the epidemic season 2017/2018

E. Hallmann–Szelińska (Warsaw/PL)

Activity of respiratory viruses in various provinces in Poland in relation to neighboring countries in the 2017/2018 epidemic season

K. Szymański (Warsaw/PL)

HALL B

09:00 – 11:00

Session XI – Respiration, Quality of Life

Chairs: van Kampen V. (Bochum/DE), G. Barassi (IT)

Why to choose mesh nebulizer and why INTEC twister mesh ?

J. Zadrożny (Intec Medical/Cracow/PL)

Integrated thermal medicine: a new therapeutic approach in disabilities

G. Barassi (Chieti/IT)

Impact of influenza-like illness among healthcare workers of the Department of Pediatric Infectious Diseases in Wrocław

K. Toczek–Kubicka (Wrocław/PL)

Recruitment of non-allergic volunteers for human experimental inhalation studies: does the outcome justify the effort?

van Kampen V (Bochum/DE)

Processing of afferent signal resulting in cough response

M. Veternick (Martin/SK)

Correlation between clinical variables and healthcare resource use in relation to the status of healthcare coordination implementation in patients with respiratory diseases

M. Duda–Sikuła (Wrocław/PL)

Higher acceptance of illness is correlated with better quality of life in patients with nonmalignant pulmonary diseases

M. Chabowski (Wrocław/PL)

The relationship between sleep disorders and adherence to treatment with inhalation therapy in patients with chronic obstructive pulmonary disease

M. Chabowski (Wrocław/PL)

Coffee break 11:00 – 11:30

11:30 – 13:30

Session XII - Clinical & Family Practice

Chairs: M. Šimera (Martin/SK), K. Sucker (Bochum/DE)

Recruitment of healthy volunteers for human experimental studies: how healthy is healthy?

K. Sucker (Bochum/PL)

Elevated levels of alfa1-acid glycoprotein (AGP) and growth differentiation factor 15 (GDF-15) in bronchoalveolar lavage fluid (BALF) from patients with sarcoidosis

W. Naumnik (Białystok/PL)

Transforming growth factor concentrations in patients with systemic sclerosis and its correlation with the process of fibrosis in the course of the disease

D. Majewski (Poznań/PL)

The feeling of fear and dealing with difficult situations among women with asthma

A. Barańska (Lublin/PL)

Umbilical cord gases in correlation with clinical data of mothers and newborns

A. Popiel (Wrocław/PL)

Attitudes of patients towards online communication activities with health professionals

J. Waligóra (Wrocław/PL)

Online health technologies and mobile devices: attitudes, needs and predictors

J. Waligóra (Wrocław/PL)

Awareness of Polish cardiologists about the impact of air pollution on health

T.M. Zielonka (Warsaw/PL)

Farewell Lunch 13:30

Collaboration & Support



Opole Voivodship grant DEP II

Sanofi Pasteur (Warsaw/PL)



HELIOS Klinikum (Wuppertal/DE)



Opole Medical School Opole/PL



Pharmapoint (PL)



Żywiec Zdrój (PL)



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