

MONITORING OF ASTHMA, COPD AND OTHER AIRWAY DISEASES

21-23 MARCH 2013

LIEGE, BELGIUM

Thursday, 21 March 2013

- 09.30 – 10.00** Introduction – Overview and history on different ways of assessing and monitoring inflammatory airway diseases - *B. Balbi*
- Session I – Current applications of traditional tests of disease monitoring**
- 10.00 - 10.45** How to value clinical presentation (symptom score, QoL questionnaires) - *G. Joos*
- 10.45 – 11.15** *COFFEE BREAK*
- 11.15 – 11.45** Lung function measurements in adults and children - *F. de Jongh*
- 11.45 – 12.30** Limitations of traditional tests, unanswered aspects of airway diseases - *B. Balbi*
- 12.30 – 14.00** *LUNCH*
- 14.00 – 14.30** Measurement of airway hyperresponsiveness; part I: direct challenges - *E. Bel*
- 14.30 – 15.15** Measurement of airway hyperresponsiveness; part II: indirect challenges - *G. Joos*
- 15.15 – 15.45** *COFFEE BREAK*
- Session II – Information gained from induced sputum**
- 15.45 – 16.30** Methodological considerations of sputum induction - *R. Louis*
- 16.30 – 17.15** Applications of induced sputum sampling in asthma and COPD - *A. Spanevello*
- 17.15 – 18.00** Special considerations in sputum induction in severe patients - *E. Bel*



Friday, 22 March 2013

Section III - Exhaled biomarkers: methodological aspects

- 09.00 – 09.45** Methods to measure exhaled and nasal nitric oxide - *C. Corradi*
09.45 – 10.45 Methods to measure other exhaled volatiles (CO, ethane, penthane, etc...) -*P. Paredi*
- 10.45 – 11.15** *COFFEE BREAK*
- 11.15 – 11.45** Electronic noses- breathprints – *P. Sterk*
11.45 – 12.45 Methods to collect exhaled breath condensate - *I. Horváth*
12.45 – 13.15 Methods to measure different mediators in EBC - *M. Corradi*
- 13.15 – 14.30** *LUNCH*
- Workshops
- Airway hyper responsiveness assessment
 - Sputum induction
 - Exhaled markers measurement
 - Exhaled breath condensate collection
- 14:30 – 15:15** **ROUND 1**
15:15 – 16:00 **ROUND 2**
- 16:00 – 16:15** *COFFEE BREAK*
- 16:15 – 17:00** **ROUND 3**
17:00 – 17:45 **ROUND 4**

Saturday, 23 March 2013

Session IV - Exhaled breath biomarkers: data interpretation and clinical relevance

- 09.00 – 09.45** Monitoring of airway diseases in children - *J. de Jongste*
09.45 – 10.30 Applications of exhaled and nasal NO in airway diseases - *P. Barnes*
10:30 – 11:15 Value of exhaled volatile organic compounds in monitoring airway disease - *P.J. Sterk*
- 11:15 – 11:45** *COFFEE BREAK*
- 11.45 – 12.30** Markers of airway diseases in exhaled breath condensate and their clinical value - *P. Barnes*
12:30 – 13:15 Comparison of exhaled biomarkers to other markers of airway diseases - *I. Horváth*
13:15 – 13:30 Discussion and closing remarks; evaluation of sessions - *B. Balbi, E. Bel, I. Horváth*