

ERS School Course
“Monitoring of airway diseases”
Amsterdam, the Netherlands

Thursday, March 12, 2009

08:30 - 09:00 Registrations

09:00 - 09:15 Introduction - E. Bel

09:15 - 10:00 Overview on different ways of monitoring 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, quality of life questionnaire) - 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 Break*

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 - 16:15 Methodological considerations of sputum induction - R. Louis

16:15 - 16:30 Applications of induced sputum sampling in asthma - P.J. Sterk

16:30 *Welcome cocktail*

Friday, March 13, 2009

Session III

- 09.00 - 09.30 Applications of induced sputum sampling in COPD - R. Louis
09.30 - 10.30 Comparison of induced sputum results with other markers of airway diseases - R. Djukanovic
- 10.30 - 11.00 *Coffee Break*
- 11.00 - 11.30 Special considerations in sputum induction in severe patients, potential pitfalls and limitations of this sampling method - R. Djukanovic
11.30 - 12.30 Monitoring of airway diseases in children - J. De Jongste
- 12.30 - 14.00 *Lunch Break*
- 14.00 - 17.00 "How to do" hands-on training in small groups: airway hyperresponsiveness assessment, sputum induction, exhaled NO, CO measurement, exhaled breath condensate collection

Saturday, March 14, 2009

Session IV - Exhaled breath biomarkers

- 09.00 - 09.30 Methods to measure exhaled and nasal nitric oxide and other exhaled volatiles (CO, ethane, pentane, etc...) - P. Paredi
09.30 - 10.00 Applications of exhaled and nasal NO in airway diseases - P. Barnes
10.00 - 10.30 Value of exhaled volatile organic compounds in monitoring airway disease - P.J. Sterk
- 10.30 - 11.00 *Coffee Break*
- 11.00 - 11.30 Methodology of exhaled breath condensate (EBC) collection and mediator determination - I. Horvath
11.30 - 12.00 Overview of the measurements of different mediators in EBC - M. Corradi
12.00 - 12.30 Markers of airway diseases in exhaled breath condensate - P. Barnes
12.30 - 13.00 Comparison of exhaled biomarkers to other markers of airway diseases - I. Horvath
- 13.00 Closing remarks