

## ERS School Course on "MONITORING OF AIRWAY DISEASES"

March 21-23, 2013 (Liège, Belgium)

Course Day 1: March 21, 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		
10.00 - 10.45	How to value clinical presentation (symptom score, QoL questionnaires) <i>G. Joos</i>	
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 <i>E.Bel</i>	
14.30 – 15.15	Measurement of airway hyperresponsiveness; part II: Indirect challenges <i>G. Joos</i>	
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, <i>E.Bel</i>	
18.00	Welcome cocktail	

## Course Day 2: March 23, 2013

09.00 - 09.45	Section III. Exhaled biomarkers –methodological aspects  Methods to measure exhaled and nasal nitric oxide  P. Paredi
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
14.30 – 17.30	Parallel sessions - "How to do" hands-on training in small groups:  • Airway hyperresponsiveness assessment, • Sputum industion

- Sputum induction,
- Exhaled markers measurement,
- Exhaled breath condensate collection.

## Course Day 3: March 22, 2013

## Session III: Exhaled breath biomarkers- data interpretation, 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 <i>P.J. Sterk</i>
11.15 – 11.45	COFFEE BREAK
11.45 – 12.30	Markers of airway diseases in exhaled breath condensate and their clinical value <i>P. Barnes</i>
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