



Institute for Lung Health

Glenfield Practical Lung Function Course

**Glenfield Hospital, Leicester
20th – 21st November 2013**

Course lead: **Dr. Salman Siddiqui (Consultant Respiratory Physician)**

Course organisers: Dr. Sherif Gonem (StR in Respiratory Medicine)
Mr. Dhiraj Vara (Clinical Investigations Manager)
Mr. Richard Walton (Head of Respiratory Physiology Unit)
Ms Melina Hall (Senior Clinical Physiologist)
Dr. Rachael Evans (Consultant Respiratory Physician)

Invited speakers: Prof. Martin Miller (Birmingham)
Prof. Mike Hughes (London)
Prof. John Gibson (Newcastle)
Prof. Mike Morgan (Leicester)

Programme

Day 1 **Clinical Education Centre lecture theatre**

8.30 – 9.15	Registration and coffee	
9.15 – 9.30	Introduction to the Course	Dr. Salman Siddiqui
9.30 – 10.30	Spirometry and normative values	Prof. Martin Miller
10.30 – 11.30	Diffusing capacity of the lung	Prof. Mike Hughes
11.30 – 12.00	Morning coffee	
12.00 – 13.00	Lung volumes and airway resistance	Prof. John Gibson
13.00 – 14.00	Lunch	
14.00 – 15.00	Cardiopulmonary exercise testing	Prof. Mike Morgan
15.00 – 16.30	Practical session 1 – Respiratory Physiology Department	
	Spirometry and mouth pressures: Group 1	
	Body plethysmography and helium dilution: Group 2	
	Carbon monoxide diffusing capacity: Group 3	
	Cardiopulmonary exercise testing: Group 4	
	Bronchial challenge testing / FE _{NO} / Induced sputum: Group 5	
16.30 – 17.30	Coffee & feedback selected work book cases	
19.00	Course dinner	

Day 2 **Respiratory Physiology Department**

9.00 – 10.30 **Practical session 2**

Spirometry and mouth pressures: Group 2

Body plethysmography and helium dilution: Group 3

Carbon monoxide diffusing capacity: Group 4

Cardiopulmonary exercise testing: Group 5

Bronchial challenge testing / FE_{NO}/ Induced sputum: Group 1

10.30 – 11.00 Morning coffee

11.00 – 12.30 **Practical session 3**

Spirometry and mouth pressures: Group 3

Body plethysmography and helium dilution: Group 4

Carbon monoxide diffusing capacity: Group 5

Cardiopulmonary exercise testing: Group 1

Bronchial challenge testing / FE_{NO}/ Induced sputum: Group 2

12.30 – 13.30 Lunch

13.30 – 15.00 **Practical session 4**

Spirometry and mouth pressures: Group 4

Body plethysmography and helium dilution: Group 5

Carbon monoxide diffusing capacity: Group 1

Cardiopulmonary exercise testing: Group 2

Bronchial challenge testing / FE_{NO}/ Induced sputum: Group 3

15.00 – 16.30 **Practical session 5**

Spirometry and mouth pressures: Group 5

Body plethysmography and helium dilution: Group 1

Carbon monoxide diffusing capacity: Group 2

Cardiopulmonary exercise testing: Group 3

Bronchial challenge testing / FE_{NO}/ Induced sputum: Group 4

16.30 – 17.00 Close and course evaluation