



## Pulmonary Function Testing: Techniques and Interpretation

CONDUCTED BY:



**PROGRAM DIRECTOR: Dr. Ghazi Alotaibi (KSA)**

15:00 - 19:00

WEDNESDAY, 4 MARCH 2015

MEETING ROOM: AL MAASA

### GENERAL:

- Attendance is limited to **20** participants.
- Pre-registration is required, seats are limited, will be reserved on first come first served basis.
- Certificate of Attendance will be provided by STS with **CMEs** from SCFHS.
- Registration is **FREE** for all who register for the GulfThoracic Congress 2015, please provide proof of payment (receipt).

### OBJECTIVE:

At the end of this workshop, participants are expected to:

- Understand basic physiology underpinning pulmonary function tests.
- Perform basic spirometry, and assess acceptability and repeatability of the test.
- Perform lung volume measurement tests.
- Perform lung diffusion capacity (DLco) test.
- In clinical contexts, assess and interpret PFT results

### TARGET AUDIENCE:

- Pulmonologists
- PFT Technologists
- Respiratory Therapists
- General Practitioners

### RATIONALE:

Pulmonary function test (PFT) has been the mainstay diagnostic and monitoring tool of airway and parenchymal diseases. Pulmonary function studies help to establish diagnosis and guide decisions for further treatments or interventions. There are array of PFT methods ranging from simple measurements of volume and flow to advanced measurement of gas diffusion capacity. Treatment guidelines and protocols for many pulmonary diseases emphasize the importance of PFT as a diagnostic tool. Therefore, Knowledge of PFT techniques and interpretation are essential for clinicians working with pulmonary patients.



# Pulmonary Function Testing: Techniques and Interpretation (Continued)

## FACULTY



### **Ghazi Alotaibi, PhD, RRT**

Assistant Professor of Respiratory Care  
University of Dammam  
President, Saudi Society for Respiratory Care  
Dammam, **Saudi Arabia**



### **Khalid Aziz Ansari, MD, M.Phil., PhD**

Assistant Professor, Respiratory Care  
Department  
University of Dammam  
Dammam, **Saudi Arabia**



### **Hajed Alotaibi, PhD, RRT**

Chairman, Respiratory Care Department  
College of Applied Medical Sciences  
University of Dammam  
Dammam, **Saudi Arabia**



### **Abdullah S. AL Qarni, MS, RRT-NPS, CPFT**

Clinical Instructor, Respiratory Care  
Department  
University of Dammam  
Dammam, **Saudi Arabia**



### **Prof. Omar A. Al Rawas, MBChB, FRCP (Glasg.)**

Professor of Medicine and Consultant  
Pulmonologist, Department of Medicine  
Dean, College of Medicine and Health Sciences  
(CoMHS), Sultan Qaboos University (SQU)  
Muscat, **Oman**



### **Jose Rex Navarro, BSRT**

Clinical Instructor, Respiratory Care  
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Dammam, **Saudi Arabia**



### **Marwa A. Wakkas, RRT**

Laboratory/Clinical Instructor  
Respiratory Care Department  
College of Applied Medical Sciences  
University of Dammam  
Dammam, **Saudi Arabia**

## PROGRAM

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TIME	TOPIC	FACULTY
14:00 - 15:00	Registration	
15:00 - 15:15	Welcoming Remarks	Dr. Ghazi Alotaibi - <b>KSA</b>
15:15 - 15:40	Pulmonary Physiology for PFT	Dr. Khalid Ansari - <b>KSA</b>
15:40 - 16:05	Spirometry: Techniques and acceptability of the test	Dr. Hajed Alotaibi - <b>KSA</b>
16:05 - 16:30	TLC and Diffusion Capacity	Mr. Abdullah AlQarni - <b>KSA</b>
<b>16:30 - 17:00</b>	<b>COFFEE BREAK</b>	
17:00 - 17:30	Practice 1: FVC and Basic Spirometry	Mr. Jose Rex - <b>KSA</b>
17:30 - 18:00	Practice 2: TLC/RV & Diffusing Capacity	Ms. Marwa A. Wakkas - <b>KSA</b>
18:00 - 19:00	Case Studies & Interpretation	Prof. Omar A. Al Rawas - <b>Oman</b>
	Closing Remarks	Dr. Ghazi Alotaibi - <b>KSA</b>