Endobronchial Ultrasound and Conventional Bronchoscopic Procedures Workshop

PROGRAM DIRECTOR: Dr. Ahmed Aljohaney

Date: Wednesday, 14 March 2018 | Time: 14:30-19:00 | Meeting Room: Al Amwaj

CONDUCTED BY:

SPONSORED BY: FUJIFILM Value from Innovation

WITH PARTICIPATION FROM: Medtronic

GENERAL:

- Attendance is limited to 50 participants.
- Pre-registration is required, seats are limited, will be reserved on first come first served basis.
- Registration is FREE for all who register for the *Gulf*Thoracic Congress 2018, please present your congress badge. (Note: Students are not eligible for the pre-congress workshops.)

RATIONALE:

This workshop is designed for the practicing Pulmonologist, Chest Surgeon and Interventional Bronchoscopy Assistants. The course is intentionally limited in the number of participants, in order to allow for maximum benefit of small group instruction and interaction with faculty in the hands-on sessions.

OBJECTIVES:

- To inform delegates about the exact role of EBUS and briefly review the literature.
- To provide a clear understanding of the tools and techniques involved.
- To demonstrate the practice of EBUS-TBNA and provide an opportunity for delegates to perform the procedure on a phanthom
- To demonstrate the practice of other conventional bronchoscopic procedures such as conventional TBNA, TBN core biopsies and others
- At the conclusion of the workshop the participant will have a good understanding of basic principles of skills required to safely begin performing EBUS and other conventional bronchoscopic procedures in a clinical setting.
- To demonstrate the practice of (ENB) Electromagnetic Navigation Bronchoscopy and provide an opportunity to the delegates for onsite Demo.

SUMMARY:

In the last years endobronchial ultrasound (EBUS) has revolutionized the world of bronchoscopy. EBUS is a minimally invasive technique that allows visualization of tracheabronchial wall structures and other structures adjacent the airway such as blood vessels or lymphadenopathy. There are two types of EBUS: Linear and Radial. The linear EBUS consists of several transductors forming a curve in the distal extreme of the flexible bronchoscope that generate an image of 50 degrees in relation to the major axis of the bronchoscope, which allows for a punction to be directly observed in real time. The radial EBUS consists of a rotatory transductor in the distal extreme of a miniprobe that generates an image of 360 degrees around the major axis of the bronchoscope, but does not allow for real-time samples. The main indication of the radial EBUS is the diagnosis of peripheral lung opacities. EBUS should be considered as a primary method of evaluation of lymph nodes seen to be positive in PET scan and may replace the majority of surgical mediastinal staging/diagnostic procedures. Linear EBUS has become the heart of N lung cancer staging, avoiding the comorbidity and comorbility of mediastinoscopy. Nevertheless, pulmonologists should remain competent in performing conventional TBNA as a supplementary skill that is needed especially in the absence of newer technology at local hospitals. Electromagnetic Navigation Bronchoscopy (ENB) procedures

are a minimally invasive approach that accesses difficult-to-reach areas of the lung, aiding in the diagnosis of lung disease and leading to earlier and personalized treatment, as well as optimizing therapeutic options, such as pre-surgical localization methods (dye-marking) for minimally invasive thoracic surgery, and fiducial markers placement for Stereotactic Body Radiation Therapy.

FACULTY:

Ahmed A. Aljohaney, MBBS, DABIM, FRCPC
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Mohammed Alhajji, MD, MSc, MRCP (GIM), MRCP (Resp.), CCT
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Mohammad B. Zalt, MD
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PROGRAM:

TIME	TOPIC	FACULTY
14:00 - 15:00	Registration	
15:00 - 15:05	Welcome and Introduction	Ahmed Aljohaney - KSA
15:05 - 15:25	Conventional Bronchoscopic Procedures	Enas Batubara - KSA
15:25 - 15:45	EBUS: Evidence and Importance	Mohammed Alhajji - KSA
15:45 - 16:05	Systematic Approach of Mediastinal Sampling	Amr Albanna - KSA
16:05 - 16:25	Electromagnetic Navigation Bronchoscopy	Mohammad Zalt - KSA
16:25 - 16:35	**Coffee Break**	

Practical Part Schedule : 16:35-19:00 (Each: 30min)

Station	TBNA/TBN CORE BIOPSIES EBBX,TBBX,EB BRUSH	EBUS-TBNA	EBUS-TBNA, SIMBIONEX	RADIAL EBUS	ENB DEVISE
Instructor	Atul C. Mehta	Majed Alghamdi	Mohammed Alhajji	Enas Batubara	Mohammad Zalt
Time	30min	30min	30min	30min	30min
Group	A	B	C	D	E
Group	B	C	D	E	A
Group	C	D	E	A	B
Group	D	E	A	B	C
Group	E	A	B	C	D
19:00	Evaluation & Feedback				