Bronchoscopy in the PICU: A Hands-on Course in Essential Skills for Critically Ill Children

Pediatric bronchoscopy: Skills course:

This course is designed for physicians who wish to develop and enhance their skills in diagnostic and therapeutic pediatric bronchoscopy. The program combines comprehensive theoretical instruction with hands-on workshops, providing participants with practical experience and a solid understanding of bronchoscopic procedures for those admitted to the Pediatric Intensive Care Unit.

Topics include:

Equipment required to set up a pediatric flexible bronchoscopy

Preparation for Bronchoscopy in PICU

Patient Selection and Airway assessment for PICU bronchoscopy

Flexible bronchoscopy in the

PICU: indications and contraindications, complications

Anatomical findings of the upper and lower airways (normal and abnormal)

Bronchoalveolar lavage: techniques, indications, and interpretation of results

Target Audience:

Pediatric Pulmonology Subspecialists

Pediatric Intensive Care Physicians

Anesthesiologists

Otolaryngologists

Surgeons involved in pediatric airway management

DAY 1

07:30–08:00	Registration and welcome
08:00–08:10	Course Introduction and outlines, Dr. Moslehi, Kuwait
08:10–08:30	Airways anatomy in children and differences from adults, Dr. Moslehi, Kuwait
08:30–09:00	Airways Mapping: A Bronchoscopy perspective, Dr. Hammer. Switzerland
09:00–09:20	Laryngoscopy Airways assessment in PICU setting, Dr. Abdullah Albair, Kuwait
09:20–09:50	Introduction to flexible pediatric bronchoscopy in PICU: Equipment, indications, and contraindications, Dr. Schramm, Germany
09:50–10:20	Break
10:20–10:50	Difficult airway management in Children, Dr. Mousavi, Kuwait
10:50–11: 10	Bronchoalveolar lavage (techniques, indications, results), Dr. Hammer, Switzerland
11:10–11:30	How to use airway Exchanges catheters, Dr. Schramm, Germany
11:30–11:50	Rigid bronchoscopy in ICU, Dr. Hammer, Switzerland
11:50–12:00	Q&A, All faculty
12:00–13:00	Lunch Break
13:00-13:40	Ventilator setups: An update, Dr. Hammer, Switzerland
13:40-15:00	Practical hands-on workshop (flexible bronchoscopy) on airway models - All faculty
15:00–15:30	Break
15:30–17:00	Practical hands-on workshop (flexible bronchoscopy) on airway models - All faculty

DAY 2

08:00–08:20 Bronchoscopy-guided Intubation, Dr. Hammer. Switzerland

08:20–08:40 Bronchoscopy Complications and Risk Management in PICU, Dr. Schramm, Germany

08:40–9:00 Extubation Failure, Dr. Hummer, Switzerland

09:00–10:40 Practical hands-on workshop (flexible bronchoscopy) on airway models - All faculty

10:40–11:00 Break

11:00–12:40 Practical hands-on workshop (flexible bronchoscopy) on airway models – All faculty

12:40-13:40 Lunch

13:40-14:00 Closing the course

Day one hands-on schedule

FB navigation on airway models	FB navigation using simulator software	Difficult airway: Laryngoscopy and LMA	Airway Exchange Catheters
A	B	C	D
B	C	D	A
C	D	A	B
D	A	B	C

Day two hands-on schedule

FB intubation (ET and NT)	BAL and Brushing	FB intubation, LMA
A	B	C
B	C	A
C	A	B