



**International Federation for
Obesity and Metabolic Disorders**

IFSO15
20th WORLD CONGRESS

Difficult Airway Hands-on Workshop (Educational Course)

Saturday August 29th 2015, (08:30-12:30)

Endorsed by the

European
Society of
Anaesthesiology **ESA**

Course Directors

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Faculty:

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Günther Frank (Austria) Tomasz Gaszynski (Poland)

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Claire Nightingale (UK) Elisabeth Roth (Austria)

Euan Shearer (UK) Ashish Sinha (USA)

Course Overview and Target Audience

The Difficult Airway Workshop will provide anaesthetists and interested surgeons with an overview of current concepts and devices available in the management of airway emergencies and review the algorithms and recognized pathways for dealing with complex airway management.

The session focus will be airway management in the obese patient

Course Objectives

Upon completion of this activity, participants will improve their practice in the following high risk areas:

1. Difficult airway and awake intubation

- When and how to perform a stress-free awake intubation using videolaryngoscopes or flexible fiberscopes
- Identify indications, contraindications, complications, and most appropriate techniques used in local anesthesia for the airway in anticipation of awake airway management

2. Videolaryngoscopy

- Review the different Videolaryngoscope devices and techniques and their role in Morbidly Obese Intubation in accordance with ASA and DAS algorithms

3. Flexible fiberscope use

- Identify the correct situations for the use of flexible fiberoptic or fiberoptic-like intubating scopes, including the indications, contraindications, and complications.
- Develop skills including insertion of fiberscopes into mannequins to recognize intraoral, intranasal, and tracheal anatomy.
- Identify indications, contraindications, complications, and appropriate techniques used in local anesthesia for the airway in anticipation of awake airway management.
- Develop a combination strategy for a failed airway technique. Use of a rigid laryngoscope to open a path for a fiberscope; use of a fibrescope in combination with supraglottic airways and intubating SGA, videolaryngoscopes, ETT exchange.

3. Safe extubation and the airway exchange catheter

- When and how to use airway exchange catheters and when not to use them..

4. Lung isolation

- learn and practice lung separation techniques in airway simulators
- left and right double lumen tube placement with confirmation of placement and troubleshooting
- use of bronchial blockers and options for lung separation in the face of difficult airways.

5. Ultrasonography for clinical decision-making and intervention in airway management.

- identify predictors for airway difficulty during induction of anaesthesia,
- evaluate the aspiration risk (stomach gastric content)
- identify the cricothyroid membrane and tracheal rings: confirm tracheal or oesophageal intubation
- perform nerve blocks for awake intubation
- emergency diagnosis of pneumothorax for thoracocentesis
- diagnosis lung consolidation, atelectasis, pleural effusion

6. Failed airway and open cricothyroidotomy

- Review the indications for emergency surgical airway management in relation to the recognised difficult airway algorithms.
- Describe the differences between elective tracheostomy and emergency surgical cricothyroidotomy in airway management.
- List and characterize the various forms of emergency surgical airway, including transtracheal jet ventilation and insertion of an endotracheal tube through a cricothyroidotomy;
- Identify and describe the anatomical landmarks for carrying out a needle or surgical cricothyroidotomy and perform these techniques on porcine models
- Understand difficulties and identify complications of these techniques in morbidly obese patients

Timings and Workstations

8:30am: Welcome & Introduction: Case report of Obesity airway disaster to highlight dangers.
Overview of the techniques and workstations

Workstation One (30 mins) [Luc de Baerdemaeker, Claire Nightingale, Sunita Goel]

VIDEOLARYNGOSCOPY (C-MAC, Airtraq, King Vision, Glidescope)

RIGID OPTICAL LARYNGOSCOPY (BONFILS-Retromolar Intubation Endoscope)

Workstation Two (30 mins) [Elisabeth Roth, Tomasz Gaszynski]

SUPRAGLOTTIC DEVICES

Workstation Three (30 mins) [Barbara Kabon, Jan Mulier]

FLEXIBLE FIBROPTIC INTUBATION

Flexible Intubation Video Endoscope

Upper airway local anaesthesia

Cook Airway Exchange Catheters

Workstation Four (30 mins) [Günther Frank, Ashish Sinha]

INTUBATION WITH FLEXIBLE FIBROPTIC ENDOSCOPE THROUGH SUPRAGLOTTIC DEVICES -
Aintree Intubation Catheter, Arndt Airway Exchange Catheters, Airway exchangers)

Workstation Five (30 mins) [Jay Brodsky]

LUNG ISOLATION TECHNIQUES

Double lumen tube

Bronchial blockers

Workstation Six (30 mins) [Christian Byhahn, Mike Margaron]

WORKSHOP ON EMERGENCY SURGICAL AIRWAY MANAGEMENT USING A PIG TRACHEA MODEL

Needle Cricothyroidotomy (Melker Cricothyroidotomy Universal Emergency Set & Easy Cric)

Percutaneous Surgical Cricothyroidotomy

Workstation 7 --30 min [Daniela Godoroja, Euan Shearer]

UPPER AIRWAY AND LUNG ULTRASOUND

12:30pm

Adjourn