



**Invasive  
Interventions  
In  
Intensive Care**



## **An interactive masterclass in anatomy and hands-on training for invasive interventions and advanced airway management 22-23 Sept 2018**

Welcome to the only course in New Zealand providing an in-depth training of invasive interventions for intensive care and advanced airway management in a realistic cadaver lab environment. This **two-day workshop** is jointly run by the Department of Surgical Sciences - Section of Anaesthesia and Intensive Care and the Department of Anatomy, University of Otago. Participants will be provided with the unique opportunity to practice invasive interventions and to train their dexterity, problem-solving *and* team-working skills. This in-depth training will be facilitated using **Thiel-embalmed** human tissues with lifelike haptical and optical properties as in real patients.

The Department of Anatomy provides a unique environment with operation-theatre-like facilities, and an encompassing collection of prosections and plastinates enhancing the learning experience. Trainees in intensive care will learn in small groups with only four participants per cadaver and instructor. The sessions will be supplemented by focused tutorials on the relevant topographic anatomy.

This will be one of two courses in 2018.

**Registration deadline: 31 July 2018**

**Contact and registration:**

Dr. Niels Hammer

[niels.hammer@otago.ac.nz](mailto:niels.hammer@otago.ac.nz)





# Invasive Interventions In Intensive Care



## Course details

The course will include short lectures and tutorials with prosections and plastinates, followed by expert-guided training of the respective interventions as the core component. Assistance will be available throughout by experienced intensivists and anatomists. Participants will find plenty of time to exercise, using human cadavers with lifelike tissue properties only available at the University of Otago. The course will take place in the Surgical Anatomy Laboratory facilities of the Anatomy Department. A script will be provided for all participants.

**Maximum number of participants** 8 (4 students / cadaver)

## Interventions

### *Thoracic procedures*

- Lung ultrasound
- Detection of pneumothorax and identification of lung point
- Detection and quantification of pleural effusion

### *Interventions*

- Anterior needle thoracocentesis
- Chest drain insertion using the Seldinger technique and mini-thoracotomy

### *Advanced airway management*

- Fibre-optic intubation (both oral and nasal)
- Fibre-optic intubation via second generation supraglottic airway
- Percutaneous tracheostomy
- Crico-thyroidotomy

**Course fee** 1560 NZD, excl. GST, travel and accommodation costs, credit card fees

**Provided materials** Course script, disposable gowns and gloves, all materials. Catering will be provided throughout the course on site.

## Course coordinators



**Dr. med. Hansjoerg Waibel, MD**  
Clinical Senior Lecturer  
Dunedin School of Medicine  
hansjoerg.waibel@southernhb.govt.nz



**Dr. Martin Dvoracek, MD, DEAA**  
Clinical Senior Lecturer  
Dunedin School of Medicine  
martin.dvoracek@southernhb.govt.nz



**A/Prof Niels Hammer, MD, Dr. habil.**  
Clinical Anatomist, Specialist Anatomist  
Anatomy, University of Otago  
niels.hammer@otago.ac.nz