

## Contact Information

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## Formal Educational Training

Course in Educational Methods, Danish Armed Forces (2003)  
Prehospital Trauma Life Support Instructors Course, PHTLS Denmark (2005)  
Learning Course for Residents, Region of Southern Denmark (2004)  
Supervisor Course for Residents, Region of Southern Denmark (2006)  
Visual Communication and Presentation Techniques, University of Southern Denmark (2011)  
Educational Course for Clinical Teachers – Module 1,2 og 3, University of Southern Denmark (2012)  
Simulator Instructor Course, Danish Institute for Medical Simulation (2013)  
PhD Supervisor Seminar, University of Southern Denmark (2023)

## Administrative Tasks relating to Education

Research Training Programme Committee, Department of Clinical Research, University of Southern Denmark (2016 - 2021)  
Course organizer and director of Education in Emergency Medicine Ultrasound, Department of Clinical Research, University of Southern Denmark (2013 ->)  
Course organizer and director of Course in Clinical Ultrasound for Surgeons, Department of Clinical Research, University of Southern Denmark (2013-2014)  
Course organizer and director of Course in Basic Ultrasound Guided Interventions, Department of Clinical Research, University of Southern Denmark (2014)  
Course organizer and director of Course in Thoracic Ultrasound, Department of Clinical Research, University of Southern Denmark (2015 ->)  
Course director and responsible for e-learn programme in focused lung ultrasound (FLUS) and extended focused assessment with sonography in trauma (eFAST), USabcd (2011-2015)  
Course director and responsible for e-learn programme in thoracic ultrasound, European Respiratory Society (ERS) (2016 ->)  
Member of the Regional Board for Education in Internal Medicine, Region of Southern Denmark (2009-2014)  
Member of the Regional Board for Education in Respiratory Medicine, Region of Southern Denmark (2009-2015)

## Experience of Study Programmes, Supervision and Examinations

### Teaching tasks

Has conducted over 800 lectures for various medical staff and students (e.g. MDs, medical students, nurses, prehospital and military staff)

### Supervision tasks

PhD chief-supervisor:

- Pia Iben Pietersen: "Education, training and competency assessment in lung ultrasound" (2017 - 2020)
- Niels Jacobsen: "Education, training and competency assessment in contrast enhanced ultrasound" (2018 - 2022)
- Casper Falster: "Point-of-care ultrasound for hemodynamically stable patients with suspected pulmonary embolism" (2020 - 2023)
- Amanda Dandanell Juul: "The efficiency of combining endoscopic modalities for the diagnosis of solitary pulmonary lesions" (2020 - )
- Marianne Skalborg Jepsen: "Prevalance and characteristics of obesity hypoventilation in selected populations of obese patients" (2023 - )

PhD co-supervisor:

- Anuj Pareek: "Neonatal Lung Ultrasound" (2014-2018)
- Jesper Weile: "Point of Care Ultrasound in the Emergency Department" (2013-2019)
- Minna Riishede: "Point of Care Ultrasound in Critical Ill Patients in the Emergency Department (2013 - 2020)
- Anders Bo Nielsen: "Education, training, and assessment of competencies in gastrointestinal endoscopy of the upper gastrointestinal tract and the small intestine" (2018 - 2023)
- Michael Dan Arvig: "The Prognostic and Clinical Value of Monitoring the Acutely Dyspneic Patient with Serial Ultrasound of the Lungs and Inferior Vena Cava" (2019 - 2022)
- Katrine Fjællegaard: "Impact of ultrasound-guided in diagnosis and treatment of unilateral pleural effusions" (2019 - 2022)

- Jesper Koefod Petersen: "Malignant pleural effusion: diagnostics, characteristics and survival" (2019 - )
  - Julie Jepsen Strøm: "Use of focused lung ultrasound on patients with symptoms of lower respiratory tract infections in Danish general practice" (2020- )
  - Morten H. Lorentzen: "Improved paraclinical tests and imaging for pneumonia in order to improve antibiotic treatment" (2020- )
  - Ema Rastoder: "COPD exacerbations and Pulmonary Hypertension" (2021 - )
  - Siri Aas Smedemark: "Point of Care Technology to avoid acute hospital admissions among older adults" (2021 - )
  - Mohammad Ahmad Issa: "Improving genomic profiling and reducing time to oncological treatment via targeted use of EUS-B in diagnosis of lung cancer" (2023 - )
  - Anne-Marie Østergaard G. Jensen: "Point-of-Care Ultrasound to improve Tuberculosis care among patients with suspected Tuberculosis in Ghana (TBPOC Study II) (2023 - )
- Chief-supervisor of 4 and co-supervisor of 5 completed master theses within medicine  
 Supervisor in research training for 40 medical students  
 Clinical supervisor for 10 residents in internal medicine

#### **Examination tasks**

Organizer of examination and certification in emergency medicine ultrasound, Department of Clinical Research, University of Southern Denmark (2014 - 2021)  
 Examiner in Respiratory Medicine (OSCE and "mini"-OSCE), Department of Clinical Research, University of Southern Denmark (2011 ->)  
 Has been part of PhD assessment committee at Copenhagen University (2019) and chairman of PhD assessment committee at University of Southern Denmark (2020).

### **Methods, Materials and Tools**

Has experience with various educational methods, materials and tools including:

- Lectures
- Group work
- Team based training
- Practical skill training
- Simulation training
- Use of written learning material (e.g. books and chapters)
- Use of E-learn material
- Use of MCQ tests
- Use of VodCasts
- Use of training videos
- Use of Objective Structured Clinical Examination (OSCE)
- Use of App's
- Use of iBooks

### **Educational Development and Applied Research into Teaching at University, including Educational Awards**

Has experience with development of:

- Written learning material (e.g. books and chapters)
- E-learn material
- MCQ tests (incl. scientific validation)
- VodCasts
- Training videos
- App's
- iBooks
- Simulators
- VR
- Objective Structured Clinical Examination (OSCE)

Has published peer-reviewed scientific papers and posters in medical training and education

Chief-supervisor of a PhD-project in education, learning and competency assessment in lung ultrasound

Has received the following educational awards:

- Residents Supervisor Award, Department of Medicine, Svendborg Hospital (2008)
- Colleague and Supervisor Award, Department of Respiratory Medicine, Odense University Hospital (2015)
- European Respiratory Society 2019 Teaching Award