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## Undervisnings CV

### 1. Formelpædagogisk uddannelse

2019:

- Official exemption from The Lecturer Training Programme, Dekan Ole Skøtt SDU
- Pedagogic course for clinical lecturer, SDU
- PhD supervision process, methods and tools, SDU

2018:

- Seminar in individualized learning methods for biomechanic, physiotherapy and radiography students, Hotel Nyborg Strand, Nyborg
- Seminar on best pedagogic practice, Danish Radiographer education, Milling Hotel, Middelfart

2017:

- National seminar for Radiographer education: Using E-learning as a possibility for good teaching, Hotel Comwell, Middelfart, Denmark

2016:

- Seminar on new curriculum for Danish Radiographer educations, Nyborg, Denmark

2012:

- Flipped class room and laboratory learning, Aalborg, Denmark

2011:

- Visuel formidling og præsentationsteknik, University of Southern Denmark, Odense, Denmark
- Visual communication; Phd course, University of Southern Denmark, Odense, Denmark
- Didactics in education, National seminar, Copenhagen, Denmark
- Learning laboratories used in examination of radiographer students, Haarlem, Netherlands

2010:

- Positive educational assistant professor assessment by the national assessment committee for university colleges, Ditte Høgsgaard, vivikom
- Building international Radiography education, Danish Radiographer educations, Coimbra & Lisbon, Portugal
- Conference on Radiography research and education, European Federation of Radiographer Societies, Budapest, Hungary

2007-2010:

- Lecturer training program, University College Lillebelt, Odense

2006:

- Seminar in teaching evaluation for Danish Radiographers educations, Alborg University, Denmark

2004:

- Pedagogic according to benefit from the new youth culture, Center for Health Education in Odense, Denmark
- Clinical advisor for health students, Center for Health Education in Odense, Denmark

### 2. Uddannelsesadministrative opgaver

#### BACHELOR LEVEL

2017-2018: Responsible module coordinator for 5<sup>th</sup> semester focusing in *Radiography technology, theory and methods*, Radiography education UCL (30 ECTS)

2015-2016: Responsible for the revision of the curriculum (studieordningen) *Radiography education*

2014-2015: Responsible module coordinator for module 12 focusing at *Radiography research methods and subjects*, Radiography education UCL (15 ECTS)

2007-2008: Taking part in revision of the curriculum (studieordningen) *Radiography education*

2007-2009: Responsible module coordinator for 2<sup>nd</sup> semester focusing on all *technical radiography subjects*, Radiography education UCL (30 ECTS)

#### MASTER LEVEL

2009-2011: Responsible for and the developer of the module *Perceptual medicinal image understanding*, Master of Medicine Image Diagnostics, University of Southern Denmark (15 ECTS)

Responsible for, the developer of and teaching at the module *Technical medicinal image understanding*, Master of Medicine Image Diagnostics, University of Southern Denmark (15 ECTS)

The developer of the optional module *radiation biology and protection*, Master of Medicine Image Diagnostics, University of Southern Denmark (10 ECTS)

Responsible for the *summer university, research methods in medical imaging*, Master of Medicine Image Diagnostics, University of Southern Denmark (3 ECTS)

## POSTGRADUATE LEVEL

2016-2018: Responsible for veterinarian course in veterinarian imaging related to technical parameters influence on image quality, UCL, 4 days course

2008-2013: Plan and conduct clinical courses in x-ray image understanding related to technical parameters, UCL, 2 days course for multidisciplinary health professional working with patient diagnostics

2008-2011: Responsible for and the developer of the post graduate course Digital Radiography, UCL, 4 day course for clinical radiographers

## OVERALL LEVEL

2017-2019: Contributed to the further development of the department's teaching evaluation strategy and procedure through the conduction of a pedagogical project on effectiveness of evaluation practices and dissemination.

## 3. Erfaring med undervisning, vejledning og eksamen

### 3.1. Teaching

#### BACHELOR LEVEL (Radiography education)

2009 - Lectures in image quality perception and evaluation methods: audit, VGA, ROC, 5<sup>th</sup> & 7<sup>th</sup> semester (1½ ECTS)

2017 - 2018: Classroom training in statistical data analysis, 5<sup>th</sup> & 7<sup>th</sup> semester (3 ECTS)

2015 - Lectures on cardiac CT, 5<sup>th</sup> semester (½ ECTS)

2010 - Lectures on experimental research methods including learning laboratory exercises, 5<sup>th</sup>, 6<sup>th</sup> & 7<sup>th</sup> semester (2 ECTS)

2008 - 2011: Teaching and training Quality Assurance and optimization, 6<sup>th</sup> semester (1 ECTS)

2008 - 2010: Classroom lectures and training in fluoroscopic examinations, 5<sup>th</sup> & 6<sup>th</sup> semester (2 ECTS)

2007 - Classroom lectures and practical training in software image processing, 6<sup>th</sup> and 7<sup>th</sup> semester (2 ECTS)

2007 - 2014: Lectures on digital radiography and DR modality, 2<sup>nd</sup> & 5<sup>th</sup> semester (4 ECTS)

2006 - 2017: Lectures on pediatric radiography, 5<sup>th</sup> & 7<sup>th</sup> semester (1½ ECTS)

2006 - 2011: Lectures on radiographic technique and physics, 2<sup>nd</sup> & 3<sup>rd</sup> semester (8 ECTS)

2006 - 2007: Classroom teaching and training in communication and patient care, 1<sup>st</sup> semester (1½ ECTS)

#### MASTER LEVEL

2010-2011: Teaching in Cardiac and advanced CT techniques connected to optimization possibilities, Master in Medical Image Diagnostics, University of Southern Denmark

2009-2011: Teaching in Evaluation methods for image quality analysis as clinical audit, visual grading analysis and received operator characteristics, Master in Medical Image Diagnostics, University of Southern Denmark

2009-2010: Teaching in Quantitative research methods, Master in Medical Image Diagnostics, University of Southern Denmark

#### POSTGRADUATE LEVEL

2018: Teaching and supporting exercises in Critical Appraisal Topic (CAT), UCL (8 full days)

2018: Teaching and training in Skeletal and chest radiography, Defence Command, Aalborg (4 full days)

2018: Teaching Image quality in out of hospital x-ray examination, Odense University Hospital

2014: Teaching clinical radiographers about Possibilities for research within Radiography and Cardiac CT, 2 evening courses in Århus and Copenhagen arranged by Danish Society for Radiographers

2011-2015: Clinical lecture in CT technique related to image quality, Odense University Hospital, Odense and Svendborg

2011: Teaching DR optimization and new developments for Swedish radiographers, Mediel workshop, Göteborg, Sweden

2010-2012: Teaching full day courses in clinical practice "Digital Radiography", held at the following hospitals: Bispebjerg, Falster, Frederiksberg, Hillerød, Herlev, Køge, Nyborg, Sønderborg, Svendborg

2010: Lecture and practical training in Digital radiography and optimization, Thorshavn, The Faroe Island (5 full days)

2010: Lecture in Radiation dose and pediatric Radiography in Denmark, Skejby Hospital (1 full day)

2009: Lecture in Importance of software in DR, conference for clinical radiographers and radiologists in Region of Southern Denmark

2008 - 2011: Lecturer and practical workshops in digital radiography, post graduate course, UCL (4 full days)

2006-2009: Clinical lectures and training in radiation protection for health professional in the emergency room and surgical ward, Kolding Hospital (2 full days)

2005 Workshop on Processing understanding and optimization, classroom theory and practical exercises on new developed DR equipment, Kolding Hospital (1 full day)

### **3.2. Supervision**

#### **BACHELOR LEVEL**

2006 - Bachelor projects on Radiography education, UCL:  
in average 4 students per year in technical optimization and image quality topics.

#### **MASTER LEVEL**

2015-2016: Co-supervisor for post-graduate medical student at SDU:  
"Validation study of Optical Coherence Tomography compared to histology as gold standard to characterize atheromatous plaques in post mortem coronary arteries".  
2011-2012: Master student at Master in Medical Imaging, University of Southern Denmark:  
"Clinical use of iterative reconstruction and dose modulation in computer tomography - retrospective study of 464 abdominal scans".  
2010-2011: Master student at Master in Medical Imaging, University of Southern Denmark:  
"exposure value as indicator for image quality".

#### **PHD LEVEL**

2019-2022: Co-supervisor for PhD student at University College Dublin (UCD):  
"Optimization and implementation of new technical possibilities with a new developed CT x-ray tube".  
2018 - 2021: Co-supervisor for PhD student at University of Southern Denmark:  
"Wrist x-rays - Positioning and diagnostic accuracy".

### **3.3. Examination**

2017 - 120 practical oral exams in radiography technique and physics facilitated in the learning laboratories, Radiography education, UCL (6 ECTS)  
2016 - 15 oral exams in Radiography based on a written paper, Radiography education, UCL (8 ECTS)  
2015 - 28 oral exams in clinical practice, Radiography education, UCL (20 ECTS)  
2011: 8 written exams in Technical diagnostic radiology techniques, Master in Medical image and diagnostics, University of Southern Denmark (10 ECTS)  
1 master's thesis, written exam including oral defense, Master in Medical image and diagnostics, University of Southern Denmark (12 ECTS)  
2010: 7 written exams in Technical diagnostic radiology techniques, Master in Medical image and diagnostics, University of Southern Denmark (10 ECTS)  
1 master's thesis, written exam including oral defense, Master in Medical image and diagnostics, University of Southern Denmark (12 ECTS)  
2008 - 2011: Written OSCE exams in digital radiography, postgraduate course, UCL (10 ECTS)  
2007 - 2011: Written exam in technical radiography modality, Radiography education, UCL (5 ECTS)  
2007 - 2010: Written exam in image perception and image quality, Radiography education, UCL (5 ECTS)  
2006 - 35 oral bachelor exams based on a written bachelor thesis, Radiography education, UCL (20 ECTS)  
2006 - 2009: 72 oral exams in radiographic technique and physics, Radiography education, UCL (5 ECTS)  
2006: 36 oral exams in communication and patient care, Radiography education, UCL (2 ECTS)

### **4. Metoder, materialer og redskaber**

The above listed experience show that I have a broad teaching experience both in relation to small and large classes as well as supervision at multiple levels (e.g. undergraduate, graduate, and PhD level).

My teaching methods consist of several different tools and materials to further my teaching goals depending on whether it was classes with large or small enrollments. The methods comprises plenary presentation, in order to transfer knowledge to the students, combined with activities such as group discussions, cases, hands-on/laboratory exercises, video clips and quizzes to give the students opportunity to improve their learning. This way of teaching gives both the students and me (as a teacher) possibility to reflect on the teaching material and subject. A mix between the activities are made to engage and motivate students in participating actively in their own learning process and promote their critical thinking and self-reliance during and after the lecture.

### **5. Uddannelsesudvikling og universitetspædagogisk (følge) forskning, herunder pædagogiske priser**

See bullet 2