

Bo Mussmann
Klinisk Institut
KI, OUH, Forskningsenhed for Radiologi (Odense)
E-mail: bmussmann@health.sdu.dk



Teaching Portfolio

Pedagogical education and courses

2022 PhD supervisor seminar, SDU
2021 Digital didactics and impact, SDU
2020 Clinical lecturing course, SDU
2020 Digital Learning. The PISA model. Oslo Metropolitan University
2011 Entrepreneurship and innovative teaching (4 days + 6 months training in teaching practice)
2008 Qualification track for the UC senior lecturer position (6 months, UCL)
2003 Pedagogy diploma module (10 ECTS, Danish Pedagogy University)
2000 Clinical supervision 2, Odense University Hospital (60 hours)
1999 Clinical supervision 1, Odense University Hospital (60 hours)

Educational administrative tasks

2025 Department Council member, Dept. of Clinical Research, SDU
2017 Course Coordinator, Reporting radiographers – perpendicular skeleton University of Southern Denmark
2014-16 PhD.board at University of Southern Denmark, Dept.of Clinical Research
2010-14 Head of the officially appointed examiners in radiography in Denmark
2013 Development of qualification documents (curriculum outline) for a new master's degree in radiography
2009-11 Study coordinator, BSc. Radiography, UCL, DK

Examining

Two PhD defense (opponent), University of South-Eastern Norway, (2019), NTNU, Norway (2024)
11 applications for University College associate professor at University College of Northern Jutland, University College Lillebaelt and Metropolitan UC/UC Copenhagen (2011 – present)
One application for University College docent Metropolitan UC (2016)
>50 Bachelors in radiography at University College of Northern Jutland, University College Lillebaelt and Metropolitan UC (DK) and University of Northern Norway

Teaching

INTERNATIONAL COURSES:

International Atomic Energy Agency (IAEA)/European Federation of Radiographer Societies (EFRS) (2020)
Radiationprotection in CT, IAEA-EFRS Webinar series (>1200 attendees)

Eurosafe Imaging / European Society ofRadiology:
Introduction to Radiation Protection in CT - dose reduction tools, (webinar >600 attendees)

Radiation Protection Course, Swedish RadiographySociety, Växjö, SE:
Suspected child abuse imaging (2018)

CT-Course, The Norwegian Society ofRadiographers, Oslo, NO:
Acetabular bone density in cemented and cementless cup in total hip replacement using Single and Dual Energy CT (2018)

Master of Biomedicine, OsloMet, Norway

- Research oriented philosophy of science (2020 – present)
- JournalClub: Local Diagnostic reference levels for skeletal surveys in suspected childabuse (2020)
- CT Metal artifact reduction strategies in orthopedic devices (2018 – present)
- Dual Energy CT (2018 - present) Intro to a Radiology Research Unit (2018)
- Intro to Journal Club (2018)
- Agreement and reliability (2018)

BSc. in Radiography, Oslo Metropolitan University, Norway:

- Paediatric radiography (lectures, workshop) (2019-present)
- CT/PACSworkshop – Image interpretation (2019-present)
- X-raytube and radiation geometry (2021-2023)
- Workshops– Article analysis (2019) Introduction to Research protocol (2018)

LOCAL COURSES:**The education of reporting radiographers –perpendicular skeleton University of Southern Denmark**

- Introduction to statistics, SDU (2018 – present)
- Metal artifact reduction in CT (2018 – 2023)

MSc. (Health), University of Southern Denmark:

Narrative analysis of the relationship between man and technology in radiographic practice (2009)

University College Lillebaelt, DK:

- Paediatric radiography – suspected child abuse (2012-present bi-annually)
- Technology literacy (2023-34)
- Research methods, International ERASMUS students (2012-2018)
- Pedagogy and how to present a project (2012-2018 bi-annually)
- Trial and error in research (2020 – 21)
- Radiographic imaging, digital imaging, CT and interventional radiography (2001-2011)
- Philosophy,science and research methods (2001-2011)
- Radiographic anatomy (2001-2011)
- +numerous minor topics

Dept. of Radiology, OUH

- Strength based feedback (2025)
- Can dual energy CT with fast kV-switching determine renal stone composition accurately?(2020)
- Renal stone detection using a low kV paediatric CT protocol (2020)
- How to present effective cases atconferences (2019)
- Children are not small adults (2019)
- Journal Club; Vascular intervention (2018)
- Journal Club; Computed tomography (2017)
- Journal Club; Vascular intervention (2016)
- Journal Club; Computed tomography (2016)
- Journal Club; Magnetic resonance imaging (2015)

Orthopaedic research meeting Odense UniversityHospital, DK, Dept. of Orthopaedic surgery

- Ultra-low-dose CT in paediatric urolithiasis (2019)
- Poster presentation technique (2017)
- Agreement and reliability (2017)
- EOS-scanning (2017)

Miscellaneous teaching

- Professionalism and emotional stress related to imaging in suspected child abuse. Dept. Radiology, Aarhus University Hospital (2025)
- Research leadership. The Danish Radiography Society leader conference (2024)
- Interdisciplinarity. Clinical radiography educators' annual meeting (2024)
- Interdisciplinarity. Clinical healthcare educators' annual meeting (2023)
- Project management in CT. The Danish Radiography Society (2012)
- The relationship between man and technology in radiographic practice (2010)

GE Healthcare CT User meeting (2023, 2024)

Diagnostic Performance of Deep learning image reconstruction in low Dose CT for the Detection of Acute Abdominal Conditions (DETECT Acute)

Supervision

PhD:

3 main supervisor (current)

3 co-supervisor (1 current)

(SDU, Aarhus University and Oslo Metropolitan University)

MSc:

11 + one current

(SDU, Norwegian University of Science and Technology, University of Bergen, Oslo Metropolitan University)

Numerous Bachelors in radiography (+20 groups and individual) at University CollegeLillebaelt – all main supervisor

Methods

Collaborative learning/supervision, e.g. Journal Club, project design

- Lectures with interactive elements, e.g. case based learning
- Seminars with technology enhanced learning, e.g. PACS workstation
- Flipped Classroom, e.g. video lectures on Child Abuse Imaging to be discussed in class
- Webinars with interactive elements, e.g. online polls during lectures