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Teaching Portfolio

1. Formal Educational Training

2021, Sept. 16: Responsible Conduct of Research (SDU)

2013, January 10-11: Responsible conduct of research (KU)

2009, October 21, 29, 30: Patient-centered communication (CEKU)

2009, April 29-30: Pedagogy 1 (CEKU)

2. Administrative tasks relating to education

2022: Responsible for new teaching material (manual and videos) for the Master's programme in medicine at University of Southern Denmark in collaboration with associated professors Michael Brix and Anne Voss and PhD students Luke Beagan, Kristine Bollerup Arndt, Rasmus Tyrsted and Rajzan Joanroy:

Examination skills regarding patients with orthopaedic and rheumatic diseases and conditions (FT4, FT5 and FT6):
https://mitsdu.dk/da/mit_studie/kandidat/medicin_kandidat/uddannelsens_opbygning/uddannelsens-forloeb/professionssporet/faerdighedstraening/manualer

2021: Restructuring the orthopaedic teaching for the Master's programme in clinical biomechanics (chiropractor) at University of Southern Denmark (K1 and K3). Resulting in a more dynamic composition of radiology in relation to orthopaedics. A collaboration between the Department of Sports Science and Clinical Biomechanics and the Department of Orthopaedics and Traumatology, Odense University Hospital

2021: Revision of the educational program for the medical students on clinical stays in Department of Orthopaedics and Traumatology

2021 -: Head of Research with overall responsibility for the distribution of educational responsibilities within the Orthopaedic Research Unit, Department of Orthopaedics and Traumatology, Odense University Hospital
Specific tasks and responsibilities:

- Appointment of associate professors, adjunct professors, postdoc's and TAP
- Approval of OSCE (Objective Structured Clinical Examination) assignments and exam plans within the orthopaedic field at University of Southern Denmark.
- Coordination of supervisors on Master's thesis student on respectively clinical profile and research profile in medicine at University of Southern Denmark.
- Administrative support related to teaching and exams at University of Southern Denmark

2021 -: Member of the educational committee for orthopaedic surgery in Region of Southern Denmark

2021 -: Co-responsible for research training for orthopaedic doctors doing specialist training, Region of Southern Denmark (in collaboration with Professor Bjarke Viberg)

2018: Associate professor at University of Southern Denmark

3. Experience with teaching, examination and supervision

TEACHING

2024: Master of Science in Clinical Biomechanics (Chiropractor), Module K1/K3 "General diagnostics 2 - orthopedics", University of Southern Denmark (12 hours in total per year)

- "Degenerative knee disorders": 4 hours per year (lecture)
- "Acute sprain of the knee": 4 hours per year (lecture)
- Preparation of 8 assignments (short answer): 4 hours per year

2024: Medicine (Master of Science), Module K2 "The musculoskeletal system and blood-forming organs", University of Southern Denmark (25 hours in total per year)

- "Sports traumatology": 7 hours per year (lecture)
- "Degenerative knee disorders": 7 hours per year (lecture)
- "Osteoporosis fractures": 7 hours per year (lecture)
- Preparation of 8 assignments (MCQ): 4 hours per year

2024: Medicine (Master of Science), Module K10 "Preparation for clinical basic training", University of Southern Denmark

- "Joint and back pain": 16 hours per year (lecture with other associated professors)

2023: Master of Science in Clinical Biomechanics (Chiropractor), Module K1/K3 "General diagnostics 2 - orthopedics", University of Southern Denmark (12 hours in total per year)

- "Degenerative knee disorders": 4 hours per year (lecture)
- "Acute sprain of the knee": 4 hours per year (lecture)
- Preparation of 8 assignments (short answer): 4 hours per year

2023: Medicine (Master of Science), Module K2 "The musculoskeletal system and blood-forming organs", University of Southern Denmark (25 hours in total per year)

- "Sports traumatology": 7 hours per year (lecture)
- "Degenerative knee disorders": 7 hours per year (lecture)
- "Osteoporosis fractures": 7 hours per year (lecture)
- Preparation of 8 assignments (MCQ): 4 hours per year

2023: Medicine (Master of Science), Module K10 "Preparation for clinical basic training", University of Southern Denmark

- "Joint and back pain": 16 hours per year (lecture with other associated professors)

2022: Master of Science in Clinical Biomechanics (Chiropractor), Module K1/K3 "General diagnostics 2 - orthopedics", University of Southern Denmark (12 hours in total per year)

- "Degenerative knee disorders": 4 hours per year (lecture)
- "Acute sprain of the knee": 4 hours per year (lecture)
- Preparation of 8 assignments (short answer): 4 hours per year

2022: Medicine (Master of Science), Module K2 "The musculoskeletal system and blood-forming organs", University of Southern Denmark (25 hours in total per year)

- "Sports traumatology": 7 hours per year (lecture)
- "Degenerative knee disorders": 7 hours per year (lecture)
- "Osteoporosis fractures": 7 hours per year (lecture)
- Preparation of 8 assignments (MCQ): 4 hours per year

2022: Medicine (Master of Science), Module K10 "Preparation for clinical basic training", University of Southern Denmark

- "Joint and back pain": 16 hours per year (lecture with other associated professors)

2021: Master of Science in Clinical Biomechanics (Chiropractor), Module K1/K3 "General diagnostics 2 - orthopedics", University of Southern Denmark (32 hours in total per year)

- "Degenerative knee disorders": 7 hours per year (lecture)
- "Acute sprain of the knee": 7 hours per year (lecture)
- "Chronic discomfort after knee injury": 7 hours per year (lecture)
- "Patellofemoral problems": 7 hours per year (lecture)
- Preparation of 8 assignments (short answer): 4 hours per year

2021: Medicine (Master of Science), Module K2 "The musculoskeletal system and blood-forming organs", University of Southern Denmark (25 hours in total per year)

- "Sports traumatology": 7 hours per year (lecture)
- "Degenerative knee disorders": 7 hours per year (lecture)
- "Osteoporosis fractures": 7 hours per year (lecture)
- Preparation of 8 assignments (MCQ): 4 hours per year

2021: Medicine (Master of Science), Module K10 "Preparation for clinical basic training", University of Southern Denmark

- "Joint and back pain": 16 hours per year (lecture with other associated professors)

2020: Master of Science in Clinical Biomechanics (Chiropractor), Module K1/K3 "General diagnostics 2 - orthopedics", University of Southern Denmark (32 hours in total per year)

- "Degenerative knee disorders": 7 hours per year
- "Acute sprain of the knee": 7 hours per year
- "Chronic discomfort after knee injury": 7 hours per year
- "Patellofemoral problems": 7 hours per year
- Preparation of 8 assignments (short answer): 4 hours per year

2020: Medicine (Master of Science), Module K2 "The musculoskeletal system and blood-forming organs", University of Southern Denmark (25 hours in total per year)

- "Sports traumatology": 7 hours per year
- "Degenerative knee disorders": 7 hours per year
- "Osteoporosis fractures": 7 hours per year
- Preparation of 8 assignments (MCQ): 4 hours per year

2019: Master of Science in Clinical Biomechanics (Chiropractor), Module K1/K3 "General diagnostics 2 - orthopedics", University of Southern Denmark (32 hours in total per year)

- "Degenerative knee disorders": 7 hours per year
- "Acute sprain of the knee": 7 hours per year
- "Chronic discomfort after knee injury": 7 hours per year
- "Patellofemoral problems": 7 hours per year
- Preparation of 8 assignments (short answer): 4 hours per year

2019: Medicine (Master of Science), Module K2 "The musculoskeletal system and blood-forming organs", University of Southern Denmark (25 hours in total per year)

- "Sports traumatology": 7 hours per year
- "Degenerative knee disorders": 7 hours per year
- "Osteoporosis fractures": 7 hours per year
- Preparation of 8 assignments (MCQ): 4 hours per year

2018: Medicine (Master of Science), Module K2 "The musculoskeletal system and blood-forming organs", University of Southern Denmark (16 hours in total per year)

- "Degenerative knee disorders": 7 hours per year
- "Osteoporosis fractures": 7 hours per year
- Preparation of 4 assignments (MCQ): 2 hours per year

2018: Master of Science in Clinical Biomechanics (Chiropractor), Module K1/K3 "General diagnostics 2 - orthopedics", University of Southern Denmark (8,5 hours in total per year)

- "Degenerative knee disorders": 7 hours per year
- Preparation of 3 assignments (short answer): 1,5 hours per year

2016: Pre-graduate teaching at University of Copenhagen (6 hours)

EXAMINATION

2023, June 29, University of Southern Denmark: Oral OSCE censor (6.5 hours) + Responsible for the OSCE paper (5 hours)

2020, January 30, University of Southern Denmark: Oral OSCE censor (6 hours)

2019, June 6, University of Southern Denmark: Oral OSCE censor (3 hours)

2018, June 27, University of Southern Denmark: Oral OSCE censor (6 hours)

2018, University of Southern Denmark: Responsible for the written OSCE paper (5 hours)

ACADEMIC SUPERVISION

PhD students:

2023, University of Southern Denmark: Main supervisor on 1 PhD student (Oddrún Danielsen)

2023, University of Southern Denmark: Co-supervisor on 1 PhD student (Cecilie Dollerup Skov)

2022, University of Southern Denmark: Main supervisor on 1 PhD student (Stefan Risager)

2022, University of Southern Denmark: Main supervisor on 1 PhD student (Anna Brix)

2022, University of Copenhagen: Co-supervisor on 1 PhD student (Julius Hald)

2022, University of Southern Denmark: Co-supervisor on 1 PhD student (Trine Ahlmann Pedersen)

2020, University of Southern Denmark: Main supervisor on 1 PhD student (Kristine B. Arndt)

2019, University of Copenhagen: Co-supervisor on 1 PhD student (Frederik T. Pitter)

Undergraduate research year:

2021, Research year, University of Southern Denmark, 1 student (Anne Rosendahl)

2014, University of Copenhagen, 1 student. (Frederik T. Pitter)

Master's thesis:

2024, University of Southern Denmark: Main supervisor on 2 Master's thesis (Jeppe Mortensen and Jeppe Michelsen)

2023, University of Southern Denmark: Main supervisor on 1 Master's thesis (Ayla Haddadi and Raiso Ali)

2022, University of Southern Denmark: Main supervisor on 1 Master's thesis (Adelat Corap and Fatma Kandela)

2020, University of Southern Denmark: Main supervisor on 1 Master's thesis (Yasemin Corap)

4. Methods, materials and tools

METHODS

- Lectures in person and via Zoom
- Supervision
- Short-answer assignments
- MCQ tests
- Case-based tasks (team based learning)

TOOLS

- Itslearning
- Zoom

MATERIALS:

- Videos
- Manuals

5. Educational development and applied research into teaching at university

2021- : Research training for orthopaedic trainees, Region of Southern Denmark (32 hours annually)

Description:

The research training of orthopaedic trainees is a good example of research applied into teaching and educational development. 4-5 times annually we arrange research training courses including:

- Basic principles of research types
- “How to read an article critically”
- Initiation of research projects for every trainee (matching ambitions and experience of the individual trainee)
- Midterm evaluations of the research projects
- Tentamen with evaluation of research projects

6. Reflection on your own teaching practice and future development including student evaluation

TEACHING

I prefer interactive teaching with examples that the students can easily relate to. Preferably including cases that they may be confronted with in their early clinical practice. Furthermore, I often use examples from ongoing research studies to increase the attention to orthopedic research and maybe recruit future researchers. Based on feedback from the students, my own teaching and the teaching from my colleagues in our research unit is with clear learning objectives and with a clear message on what is essential to pass examination. This also increases the attention from the audience.

EDUCATIONAL DEVELOPMENT

In our research unit we try to keep our educational material (videos and educational program) updated. Furthermore, we will reconstruct the study program if it is not working as intended – as we just did for the Master’s programme in clinical biomechanics.

Finally, we try to make the clinical stays for our students in the department as meaningful as possible. Both clinical practice and logistics changes continuously and this requires ongoing evaluation and changes to the educational programme for our medical student in clinical stays. We are aware that the clinical stay is one of the first possibilities for us to recruit future researchers and orthopaedic surgeons.