

Teaching portfolio for Axel Brandes, Professor, M.D., FESC

Formal educational training

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| 2024 | PhD Supervision Course, Graduate School, Faculty of Health Sciences, University of Southern Denmark online and in-person |
| 2021 | Pedagogical course for clinical teachers, Central Education Committee, University of Southern Denmark, Esbjerg |
| 2017 | PhD supervision process, methods, and tools course, Central Education Committee, University of Southern Denmark |
| 2012 | Pedagogical course for clinical teachers – Module 1 – 3, Education & Quality Unit, Faculty of Health Sciences, University of Southern Denmark |
| 2007 | Introductory course for clinical supervisors, The Postgraduate Medical Education in Southern Denmark |

Administrative tasks relating to education

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| 2015 – 2021 | Head of "Heart-lung-vessels" module of the course "Human Pathophysiology" at the master program in Biomedicine of The Faculty of Science, University of Southern Denmark |
| 2012 – present | Responsibility for arrhythmia education at Heart Disease Course K01, praegraduate medical education, Faculty of Health Sciences, University of Southern Denmark |
| 2011 – present | Participation in MMI (Multiple Mini Interviews) as part of the entrance examination for future medical students, once a year |
| 2010 – 2013 | Responsibility for certification course for Holter monitoring nurses, Region of Southern Denmark |
| 2002 – present | Inspector in cardiology, Danish Health Authority |
| 2001 – 2003 | Coordination and planning of educational activities within the Dept. of Internal Medicine, Herning Central Hospital and for Ringkøbing County |

Experience concerning study programs, supervision, and examinations

Praegraduate

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| 2022 – present | Lectures in syncope, atrial fibrillation, ventricular and supraventricular tachycardia, and group teaching on syncope and dyspnoea at the Heart-Lung-ENT Diseases course K01, Faculty of Health Sciences, University of Southern Denmark, Esbjerg, 6 hours per year; lectures in randomised clinical trials at the Evidence-based Medicine course K05/K06, Faculty of Health Sciences, University of Southern Denmark, Esbjerg, 4 hours per year. |
| 2020 – 2022 | Case-based lectures on palpitations, dizziness, syncope at the course "Preparation for Clinical Basis Education" K10, Faculty of Health Sciences, University of Southern Denmark, Odense, 3 hours per term |
| 2015 – 2021 | Lectures in anatomy, physiology, arrhythmia, and venous thromboembolism and case-based group teaching at the course "Human Pathophysiology" at the master program in Biomedicine, Faculty of Science, University of Southern Denmark, Odense, 8 hours per year |
| 2011 – 2019 | Case-based group teaching in ECG at the final OSCE examination preparation course, Faculty of Health Sciences, University of Southern Denmark, Odense, 8 hours per term |
| 2003 – 2019 | Case-based lectures on atrial fibrillation, syncope and supraventricular tachycardia as well as "malignant" ECGs at the OSCE clinical courses K14, Faculty of Health Sciences, University of Southern Denmark, Odense, 5 hours per term |
| 2003 – 2022 | Lectures in syncope, atrial fibrillation, ventricular and supraventricular tachycardia, ECG, and resuscitation at the Heart-Lung-ENT Diseases course K01, Faculty of Health Sciences, University of Southern Denmark, Odense, 7 – 8 hours per term |
| 1989 – 1998 | Bedside teaching, group teaching and lectures at the Medical University of Lübeck, Germany, 4 – 8 hours per week |

Postgraduate

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| 2022 – present | Regular educational meetings with focus on research for PhD students and registrars at the Department of Cardiology, Esbjerg and Grindsted Hospital – University Hospital of Southern Denmark |
| 2018 – 2022 | Regular educational meetings with focus on research for PhD students and registrars at the Department of Cardiology, Odense University Hospital |
| 2018 – present | Lectures at postgraduate 1st course "Postgraduate Specialist Education in Internal Medicine – Cardiology" of the Danish Health Authority and the Danish Society of Cardiology |

- 2014 – present Scientific lectures at "Atrial fibrillation Course" of the Danish Society of Cardiology
- 2011 Lectures at PhD course "Atrial fibrillation: Research in pathophysiological mechanisms, morbidity, and interventions", Faculty of Health Sciences, Aarhus University & Aarhus University Hospital Aalborg: "Endpoints of AF therapy" and "Medical treatment or radiofrequency ablation of atrial fibrillation: pro et contra"
- 1999 – 2003 Regular active participation in postgraduate educational activities at the Dept. of Internal Medicine, Herning Central Hospital, Denmark
- 1992 – 2009 Regular lectures at the emergency physician courses of State Chamber of Physicians in Schleswig-Holstein, Bad Segeberg, Germany

Interdisciplinary

- 2022 Lecture "General knowledge of atrial fibrillation including treatment, importance of diet, weight management and mineral supplies" for the Special Interest Group Cardiology of the Danish Clinical Dieticians Society, Vejle, 9 November 2022
- 2012 – 2022 Regular educational meetings for nurses on AF and anticoagulation treatment at the Dept. of Cardiology, Odense University Hospital
- 2010 – 2013 Lectures at Holter monitoring courses for nurses in the Region of Southern Denmark
- 2003 Lectures in acute cardiology for anaesthesiology nurses as part of the pre-hospital function in Ringkøbing County
- 1999 – 2003 Regular active participation in interdisciplinary educational activities for nurses at the Dept. of Internal Medicine, Herning Central Hospital, Denmark
- 1996 – 1998 Lectures at nurse specialist courses for anaesthesiology nurses, Lübeck University Hospital, Germany

Examinations

- 2020 – present Preparation of examination questions for the final OSCE examinations at the end of course "Preparation for Clinical Basis Education" K10, Faculty of Health Sciences, University of Southern Denmark
- 2015 – present Preparation of examination questions for the course "Human Pathophysiology" at the master program in Biomedicine, Faculty of Science, University of Southern Denmark
- 2009 – present Regular active participation as examiner in the final OSCE examinations, the intermediate OSCE examinations and the mini-OSCE examinations as well as preparation of multiple-choice examination questions for the Heart Disease Course K01, Faculty of Health Sciences, University of Southern Denmark
- 1996 – 1998 Preparation of examination questions and examiner at nurse specialist courses for anaesthesiology nurses, Lübeck University Hospital, Germany

Methods, materials, and tools

I have experience with the traditional oral examination either as group or as individual examination since 1996. From 2009, I have gathered experience with the Objective Structured Clinical Examinations (OSCE) at different levels of the pregraduate medical education. Moreover, I have experience with preparation and use of multiple-choice and essay questions since 2009.

For my pre- and postgraduate lectures, I use slide sets, which I prepare on my own, as these are easy to update. In addition, I prepare fictive cases, which clearly elucidate the clinical problem, the audience should learn to solve. In some special situations, I also use short videos to support the message of my lectures.