

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

Formal educational training

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

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

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

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.