

PhD Course: Clinical Cardiovascular interventions



Date: 29-30th November, 2024

Venue: Storebælt Sinatur Hotel & Konference
Østerøvej 121 DK – 5800 Nyborg

Course Leaders:

Professor, Senior Consultant Jens Erik Nielsen-Kudsk (AUH) and Professor, Senior Consultant Vibeke Hjortdal (RH)

PROGRAMME

29th November

- 9:30 - 10:00 Arrival / coffee
- 10:00 - 10:15 Welcome
- 10:15 - 10:45 **TAVI and randomized comparison of different TAVI valves using Danish registries**
Senior Consultant Troels Thim, Aarhus University Hospital
- 10:45 - 11:15 **Randomized clinical trials in TAVI including NOTION2**
Senior Consultant Gustav Thyregod, Rigshospitalet
- 11:15 - 11:35 Break; Demonstration of TAVI and surgical valves
- 11:35 - 12:00 **Percutaneous balloon fracturing of dysfunctional bioprosthetic valves; ViV TAVI**
Professor Jens Erik Nielsen-Kudsk, Aarhus University Hospital and Associate Professor Peter Johansen, Aarhus University
- 12:00 - 12:20 **Live-transmission/recorded case of TAVI procedure**
Senior Consultant Troels Thim and Professor Christian Juhl Terkelsen, Aarhus University Hospital
- 12:20 - 13:20 Lunch
- 13:20 - 14:00 **Keynote lecture: Surgery for aortic valve disease 2024**
Postdoc Sigurdur Ragnarsson, Lund University
- 14:00 - 14:15 **Discussion: Surgical vs. percutaneous approach**
Senior Consultant Troels Thim, Aarhus University and Postdoc Sigurdur Ragnarsson, Lund University
- 14:15 - 14:35 Break; LAAO devices and implantation using in vitro models
- 14:35 - 15:00 **Transcatheter left atrial appendage occlusion**
Professor Jens Erik Nielsen-Kudsk, Aarhus University Hospital
- 15:00 - 15:20 **Live-transmission/recorded case of transcatheter LAAO**
Consultant Asger Andersen, Aarhus University Hospital and Professor Jens Erik Nielsen-Kudsk, Aarhus University Hospital
- 15:20 - 15:50 **Clinical trials in LAAO**
MD, PhD Kasper Korsholm, Aarhus University
- 15:50 - 16:30 **Surgical closure of the LAA**
Senior Consultant Ivy Modrau, Aarhus University Hospital
- 16:30 - 18:30 Break/check-in
- 18:30 - 19:00 **Invention of the TAVI valve**
Professor Michael Hasenkam, Aarhus University
- 19:00 - 20:30 Dinner
- 20:30 - 21:15 Beer tasting
- 21:15 - 23:00 Networking/social activity

30th November

- 8:30 - 8:40 Welcome
- 8:40 - 9:00 **Animal model for acute pulmonary embolism**
Researcher Jacob Schultz, Aarhus University
- 9:00 - 9:20 **Catheter-directed pulmonary embolectomy**
Consultant Asger Andersen, Aarhus University Hospital
- 9:20 - 9:40 Break: In vitro catheter-directed embolectomy
- 9:40 - 10:10 **Surgical and catheter-based treatment of chronic thromboembolic pulmonary hypertension**
Consultant Asger Andersen, Aarhus University Hospital
- 10:10 - 10:40 **Coronary hemodynamics and preplanning of coronary interventions by CT**
Senior Consultant Bjarne Nørgaard, Aarhus University Hospital
- 10:40 - 11:00 **Live-transmission/recorded case of PCI preplanned by cardiac CT**
Senior Consultant Nicolai Støttrup, Aarhus University Hospital and Senior Consultant Michael Mæng, Aarhus University Hospital
- 11:00 - 11:10 Short break
- 11:10 - 11:40 **Percutaneous treatment of coronary artery disease 2024; surgery is not needed**
Professor Jens Flensted Lassen, Odense University Hospital
- 11:40 - 12:10 **Surgical treatment of coronary artery disease 2024; surgery is still essential**
Senior Consultant Sune Damgaard, Rigshospitalet
- 12:10 - 12:15 **Rebuttal**
Professor Jens Flensted Lassen, Odense University Hospital
- 12:15 - 12:20 **Rebuttal**
Senior Consultant Sune Damgaard, Rigshospitalet
- 12:20 - 13:10 Lunch
- 13:10 - 13:40 **The failing myocardium**
Head of 4D Imaging Eva Rog-Zielinska, University of Freiburg
- 13:40 - 14:10 **Short-term support, DANGER-shock trial**
Senior Consultant Jacob Møller, Rigshospitalet and Professor Hanne Ravn, Rigshospitalet
- 14:10 - 14:40 Break: Demonstration of Impella
- 14:40 - 15:10 **Long-term support, implantable LV-assist systems, artificial heart**
Senior Consultant Christian Møller, Rigshospitalet
- 15:10 - 15:20 **Final remarks/summary of meeting**
Professor Vibeke Hjortdal, Rigshospitalet
- 15:20 - 15:30 Thank you & goodbye