

# Invasive hemodynamics and coronary physiology – From basic to clinical science

## 1st-2nd June, 2023

### Day 1: Comwell Det hvide hus, Aalborg

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|---------------|---|
| 9:30 – 10:00  | Arrival and registration  |
| 10:00 – 10:15 | <b>Introduction</b><br>Ashkan Eftekhari and Prof. & Executive Managing Director, Christian Aalkjær, DCAcademy   |
| 10:15 – 10:45 | <b>Session 1: Basic Hemodynamic concepts</b><br>Professor Nils Johnson, UTHealth Houston and Thomas Engstrøm<br><b>Flow, resistance and pressure – experimental and clinical evidence</b><br>Professor Ebbe Bødtkjær, Aarhus University                                   |
| 10:45 – 11:15 | <b>Central and peripheral hemodynamics</b><br>Professor Alun D. Hughes, University College London   |
| 11:15 – 11:45 | <b>The microcirculation – from peripheral to coronary level</b><br><i>TBD</i>   |
| 11:45 – 12:15 | Group discussion and cases  |
| 12:15 – 13:00 | Lunch   |
| 13:00 – 13:30 | <b>Session 2: Evaluation of the coronary circulation</b><br>Associate Professor Ashkan Eftekhari, Aalborg University and Professor Alun D. Hughes, University College London<br><b>Coronary flow and pressure measurement</b><br>Professor Nils Johnson, UTHealth Houston |
| 13:30 – 14:00 | <b>Intracoronary imaging</b><br>Associate Professor Evald Christiansen, Aarhus University   |
| 14:00 – 14:45 | Group discussion and cases  |
| 14:45 – 15:15 | Coffee and cake   |
| 15:15 – 15.45 | <b>Session 3: Coronary physiology in special clinical situations</b><br><i>Chair: TBD</i><br><b>Acute coronary syndromes</b><br>Professor Thomas Engstrøm, Rigshospitalet   |
| 15:45 – 16:15 | <b>Aortic stenosis</b><br>Associate Professor Ashkan Eftekhari, Aalborg University  |
| 16:15-16:40   | <b>Heart Failure</b><br><i>TBD</i>  |
| 16:40-17:00   | Group Discussions and cases   |

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| 17:00-17:30   | Break                           |
| 17:30         | Joint walking to the restaurant |
| 18:00 – 22:00 | DCAcademy Dinner & Networking   |

## Day 2: Comwell Det hvide hus, Aalborg

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|---------------|---|
| 8:00 – 9:00   | Breakfast   |
| 9:00 – 9:30   | <b>Stress aortic valve index – “FFR” of the aortic valve</b><br>Professor Nils Johnson, UTHealth Houston Nils Johnson |
| 9:30 – 10:00  | <b>Chronic and acute heart failure</b><br><i>TBD</i>  |
| 10:00 – 10:30 | <b>Pulmonary circulation</b><br><i>TBD</i>  |
| 10:30 – 11:00 | <b>Group discussion and cases</b>   |
| 11:00 – 11:45 | Final remarks   |
| 12:00         | Lunch and departure   |

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