

MRI in the Study of Myocardial Metabolism and Tissue Characterization

Program

9:45-10:15 Arrival. Coffee and light breakfast

10:15-10:25 Welcome

10:25-10:45 The Applications of Cardiac MR in Research and Future Perspectives

Niels Vejstrup, MD, PhD, Dept. of Cardiology, The Heart Centre, Copenhagen University Hospital, Rigshospitalet (DK)

Morning Session – Metabolic Cardiac MRI

10:45-11:00 The effect of Medium-chain Fatty Acids on Heart Function

Josephine Kanta, MSc, PhD-stud., Dept. of Nutrition, Exercise and Sports, the August Krogh section for Molecular physiology, University of Copenhagen (DK)

11:00-11:30 Magnetic Resonance Imaging Studies of Cardiac Function in Patients with T2DM

Per Lav Madsen, MD, PhD, Dept. of Cardiology, Copenhagen University Hospital Herlev and Dept. of Nutrition, Exercise and Sports, University of Copenhagen (DK)

11:30-12:00 Break

12:00-12:45 Modulation of Myocardial Metabolism in Patients with Heart Failure: Effects of Ketone Bodies and other Substrates

Henrik Wiggers, MD, Professor, Dep. of Clinical Medicine, Heart disease, Aarhus University (DK)

12:45-13:15 Breaking Boundaries in MR: Federated Learning as a Key to Collaborative Research

Joakim Kunkel, MD, PhD-stud., Dept. of Cardiology, The Heart Centre, Copenhagen University Hospital, Rigshospitalet (DK)

Lunch (13:15-14:15)

Afternoon Session – Myocardial Tissue Characterization

14:15-14:30 T1 Mapping in Aortic Valve Stenosis

Katrine Aagaard Myhr, MD, PhD-stud., Dept. of Cardiology, The Heart Centre, Copenhagen University Hospital, Rigshospitalet (DK)

14:30-15:20 T1 and ECV Mapping: Evolution, Challenges, and Future Directions

Daniel Messroghli, MD, PhD, German Heart Institute Berlin (DE)

15:20-15:50 Break

15:50-16:40 Clinical Applications of CMR Parametric Mapping for Myocardial Tissue Characterization

James C Moon, MD, Professor, Institute of Cardiovascular Sciences, University College London (UK)

16:40 -17:00 How to Assess Left Ventricular Stiffness using Cardiac Tomoelastography

Johannes Castelein, MSc, PhD-student, University Medical Center Groningen (NL)

17:00-17:15 Cardiac Elastography in TAVI-patients and Feasibility

Amanda Duus, MB, Dept. of Cardiology, The Heart Centre, Copenhagen University Hospital, Rigshospitalet (DK)

Date: 28th of May 2024

Venue: Blegdamsvej 3B, 2200 Copenhagen N., Panum, Mærsk tårnet, 15th floor, Foredragssalen (The lecture hall)