



Cardiovascular Pathophysiology

OCTOBER 21-25 2013



NORHEART
THE NORWEGIAN PHD SCHOOL OF HEART RESEARCH

MONDAY 21. OCTOBER

Role of predisposing factors in relation to ischemic heart disease and heart failure: atherosclerosis, diabetes, hypertension, metabolism, gender

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09:00-09:30	The global burden of ischemic heart disease Serena Tonstad (UiO, OUS)
09:30-10:00	Ischemic heart disease; Risk factors Tor Ole Klemsdal (UiO, OUS)
10:00-10:15	Break
10:15-10:45	The impact of metabolism on heart function Terje Larsen (UiT)
10:45-11:15	Metabolic syndrome and ischemic heart disease Ingebjørg Seljeflot (UiO)
11:15-11:45	Exercise as a modality to reverse remodeling To be determined
11:45-12:30	Selected student presentations relevant to the topic (10 min each with 5 min discussion)
12:30-13:30	Lunch
13:30-14:00	Hypertension and its consequences for the vessel wall Sverre Erik Kjeldsen (UiO)
14:00-14:30	Genetics in myocardial disease Kristina Haugaa (OUS)
14:30-15:00	Gender and heart disease Eva Gerds (UiB)
15:00-15:15	Break
15:15-15:45	An updated view on the process of atherosclerosis Bente Halvorsen (UiO)
15:45-16:15	Plaque instability and thrombosis. Sandip Kanse (UiO)
16:15-16:30	Presentation of K.G. Jebsen Centre for Cardiac Research Finn Olav Levy (UiO)
16.30-17.15	Group work, based on the days topics

TUESDAY 22. OCTOBER

Acute myocardial ischemia

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09:00-09:15	Presentation group work, comments/discussion
09:15-09:45	Acute myocardial ischemia; A basic science perspective Kirsti Ytrehus (UiT)
09:45-10:15	Acute myocardial ischemia; A clinical perspective Erik Øie (UiO)
10:15-10:30	Break
10:30-11:00	Cardiac arrhythmias: Clinical perspectives Jian Chen (UiB)
11:00-11:30	Cardiac arrhythmias; The basic science perspective Mathis Korseberg Stokke (UiO)
11:30-12:30	Selected student presentations relevant to the topic 10 min each with 5 min discussion
12:30-13:30	Lunch

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13:30-14:00	Ventricular fibrillation and cardiac arrest Kjetil Sunde (UiO)
14:00-14:30	Diagnosis and treatment of ischemic heart disease - challenges for the future Svein Solheim (UiO)
14:30-15:00	Restenosis of arteries and veins Egil Fossum (UiO)
15:00-15:15	Break
15:15-15:45	Acute heart failure and evaluation of dysfunction in an experimental setting Ole Jakob How (UiT)
15:45-16:30	Group work based on the days topics

WEDNESDAY 23. OCTOBER

Heart failure

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09:00-09:15	Presentation group work, comments/discussion
09:15-09:45	Heart failure; epidemiology, etiology and clinical symptoms Lars Gullestad (UiO)
09:45-10:15	The process of cardiac remodeling and transition to heart failure Geir Christensen (UiO)
10:15-10:30	Break
10:30-11:00	Inflammation in remodeling Arne Yndestad (UiO)
11:00-11:30	Biomarkers of heart failure Torbjørn Omland (UiO)
11:30-12:30	Selected student presentations relevant to the topic 10 min each with 5 min discussion
12:30-13:30	Lunch
13:30-14:00	High fat/low carb diets and impact on atherosclerosis Kjetil Retterstøl (UiO)
14:00-14:30	Gene therapy in the treatment of remodeling Guro Valen (UiO)
14:30-15:00	Induced pluripotent stem cells, basic biology Judith Staerk (UiO)
15:00-15:15	Break
15:15-15:45	Presentation of Inven2 Jørund Sollid (Inven2)
15:45-16:15	Stem cell treatment of the chronically ischemic heart; current status and future perspectives Svend Aakhus (UiO)
16:15-17:00	Group work based on the days topics

THURSDAY 24. OCTOBER

HOW TO PROMOTE YOURSELF IN CARDIOVASCULAR SCIENCE

09:00-09:15 Presentation group work, max 3 slides, Comments/discussion

09:15-09:45 Moves to plan a career, early stage
Kåre-Olav Stensløykken

09:45-10:15 Moves to promote a career
Guro Valen (UiO)

10:15-10:30 Break

10:30-11:00 Strategies for managing double careers in the cardiovascular field
Leif Erik Vinge (UiO)

11:00-12:00 Selected student presentations relevant to the topic
10 min each with 5 min discussion

12:00-13:00 Lunch

13:00-13:45 Hot spot: Protecting the heart from ischaemia/reperfusion injury: from laboratory bench to hospital bedside
Derek Yellon, Director of the Hatter Cardiovascular Institute UCL, University College London Hospital & Medical School.

13:45-14:15 Discussion/Break

HOW CAN WE USE MODEL ORGANISMS IN A CLINICAL PERSPECTIVE?

14:15-14:45 An overview of model organisms.
Gareth Griffin (UiO)

14:45-15:15 Clinical perspectives in comparative physiology
Kåre-Olav Stensløykken (UiO)

15:15-15:30 Break

HEART RESEARCH IN NORWAY; SOME EXISTING NETWORKS AND CENTERS

15:30-16:00 Presentation of K.G. Jebsen senter for betennelsesforskning
Guttorm Haraldsen (UiO)

16:00-16:30 Presentation of UNIKARD
Charlotte Ingul (NTNU)

16:30-17:00 Presentation of Center for Heart Failure Research and NORHEART Norwegian PhD School of Heart Research
Mathis Korseberg Stokke (UiO)

FRIDAY 25. OCTOBER

09:00-12:00 Moderated session with presentations from students

12:00-13:00 Lunch

13:00-13:15 Course evaluation and information about the exam

13:15-16:15 Exam