



Cardiovascular Pathophysiology

OCTOBER 17-21 2016



NORHEART
THE NORWEGIAN PHD SCHOOL OF HEART RESEARCH

MONDAY 17. OCTOBER

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

09:00-09:15	Welcome
09:15-09:45	The global burden of ischemic heart disease, national and international risk factors. Serena Tonstad (UiO, OUS)
09:45-09:50	<i>"Student-buzz-group"- questions</i>
09:50-10:20	Metabolic syndrome and ischemic heart disease. Ingebjørg Seljeflot (UiO)
10:20-10:25	<i>"Student-buzz-group"-preparing questions</i>
10:25-10:45	Discussion: Risk factors in heart disease, future perspectives. Ingebjørg Seljeflot (UiO).
10:45-11:00	Break
11:00-12:00	Hot spot: The role of mitochondria in cardiac disease Professor Fabio De Lisa, Department of Biomedical Sciences, University of Padova, Italy.
12:00-13:15	Lunch
13:15-13:45	Hypertension and heart disease. Sverre Erik Kjeldsen (UiO)
13:45-13:50	<i>"Student-buzz-group"- questions</i>
13:50-14:20	Gender and heart disease. Helga Midtbø (UiB)
14:20-14:25	<i>"Student-buzz-group"-preparing questions</i>
14:25-14:55	Genetics in heart disease. Kristina Haugaa (OUS)
14:55-15:15	Discussion: Kristina Haugaa (OUS) and Helga Midtbø (UiB)
15:15-15:25	Break
15:25-16:10	<i>Student presentations (10 min each with 5 min discussion).</i>
16:10-	Get-together, pizza

TUESDAY 18. OCTOBER

Acute myocardial ischemia

08:30-09:00	Acute myocardial ischemia: a clinical perspective. Erik Øie (UiO)
09:00-09:05	<i>"Student-buzz-group"-preparing questions</i>
09:05-09:35	Acute myocardial ischemia: a basic science perspective. Kirsti Ytrehus (UiT)
09:35-09:40	<i>"Student-buzz-group"-preparing questions</i>
09:40-10:00	Discussion: translational heart research Kirsti Ytrehus (UiO) and Erik Øie (UiO)
10:00-10:15	Break
10:15-11:00	<i>Group work/student presentations</i>
11:00-11:30	An updated view on the process of atherosclerosis, plaque rupture and thrombosis. Mona Skjelland (UiO)

WEDNESDAY 19. OCTOBER

Heart failure

11:30-11:35	<i>"Student-buzz-group"-preparing questions</i>
11:35-12:05	High fat/low carb diets and impact on atherosclerosis. Kjetil Retterstøl (UiO)
12:05-12:10	<i>"Student-buzz-group"-preparing questions</i>
12:10-12:30	Discussion: Diet, atherosclerosis and heart disease. Mona Skjelland (UiO) and Kjetil Retterstøl (UiO)
12:30-13:30	Lunch
13:30-14:00	<i>Group work/student presentations</i>
14:00-14:45	Cardiac arrhythmias: from basic science to bedside treatment. Mathis Stokke (UiO)
14:45-14:50	<i>"Student-buzz-group"-preparing questions</i>
14:50-15:20	Ventricular fibrillation and cardiac arrest. Kjetil Sunde (UiO)
15:20-15:25	<i>"Student-buzz-group"-preparing questions</i>
15:25-15:45	Discussion: "Shocking news..."
08:30-09:10	The process of cardiac remodeling and transition to heart failure. Geir Christensen (UiO)
09:10-09:15	<i>"Student-buzz-group"-preparing questions</i>
09:15-09:55	Heart failure: epidemiology, etiology, clinical symptoms and current treatment. Lars Gullestad (UiO)
09:55-10:00	<i>"Student-buzz-group"-preparing questions</i>
10:00-10:30	Discussion: Heart failure, what is tomorrow's treatment? Geir Christensen (UiO) and Lars Gullestad (UiO)
10:30-10:45	Break
10:45-11:15	Biomarkers in heart disease. Torbjørn Omland (UiO)
11:15-11:20	<i>"Student-buzz-group"-preparing questions</i>
11:20-11:50	Biomarkers in translational heart research and innovation. Helge Røsjø (UiO)
11:50-12:00	Discussion: Science and innovation.
12:00-13:00	Lunch
13:00-13:30	Inflammation and cardiac remodeling. Arne Yndestad (UiO)
13:30-14:30	<i>Group work/student presentations</i>
14:30-14:45	Break
14:45-15:15	A career in science. Marianne Fyhn (UiO)
15:15-15:45	Going abroad, experience from Harvard. Ida Gjervold Lunde (UiO)
15:45-16:00	Discussion: What should we do as young scientists?

THURSDAY 20. OCTOBER

Experimental models

08:30-10:00	<i>Student presentations (10 min each with 5 min discussion).</i>
10:00-10:15	Break
10:15-10:45	Stem cells, from basic biology to bedside treatment. Jan Brinchmann (UiO)
10:45-10:50	<i>"Student-buzz-group"-preparing questions</i>
10:50-11:20	Stem cells in regenerative medicine. Gareth Sullivan (UiO)
11:20-11:25	<i>"Student-buzz-group"-preparing questions</i>
11:25-12:00	Discussion: "Translating basic stem cell research into human therapy"
12:00-13:00	Lunch
13:00-13:30	<i>Group work/student presentations</i>
13:30-14:00	From rat cardiomyocyte contractility to a home-based exercise program for heart failure patients. Øyvind Ellingsen (NTNU, CERG)
14:00-14:30	In-vivo models of human cardiovascular disease. Jan Magnus Aronsen (UiO)
14:30-14:35	<i>"Student-buzz-group"-preparing questions</i>
14:35-15:05	Ex vivo heart perfusion and metabolic studies. Ellen Aasum (UiT)
15:05-15:20	Discussion: Are rodents small furry humans? Ellen Aasum (UiT) and Jan Magnus Aronsen (UiO)
15:20-15:30	Break
15:30-16:00	<i>Group work/student presentations</i>

FRIDAY 21. OCTOBER

Heart research in Norway:
some existing networks

08:30-08:45	Presentation of Center for Heart Failure Research. Geir Christensen/Mathis Korseberg Stokke (UiO)
08:45-09:00	Presentation of NORHEART. Geir Christensen/Mathis Korseberg Stokke (UiO)
09:00-10:15	<i>Student presentations (10 min each with 5 min discussion)</i>
10:15-10:30	Break
10:30-12:00	<i>Student presentations (10 min each with 5 min discussion)</i>
12:00-13:00	Lunch
13:00-13:15	<i>Course evaluation and information about the exam</i>
13:15-15:15	<i>Exam</i>