



DEPARTMENT OF CLINICAL SCIENCES, DANDERYD HOSPITAL

D1F5536 Coronary Heart Disease: Present and Future Perspectives in a Pan-Vascular Context, 1.5 credits (hec)

Kranskärslssjukdom: Nuläge och framtid i kontext av hela kärlträdet, 1,5 högskolepoäng

Third-cycle level / Forskarnivå

Approval

This syllabus is approved by the The Committee for Doctoral Education on 2023-12-11, and is valid from Spring semester 2024.

Responsible department

Department of Clinical Sciences, Danderyd Hospital, Faculty of Medicine

Prerequisite courses, or equivalent

No prerequisite courses, or equivalent, demanded for this course.

Purpose & Intended learning outcomes

Purpose

The course aims to give the student an overview of the state of art of research on ischemic heart diseases and focuses on the areas where implementation is needed to answer relevant research questions.

Intended learning outcomes

The participants should at the end of the course:

1. Have a general knowledge of the epidemiology of ischemic heart disease
2. Understand the pathophysiology of ischemic heart disease
3. Know the cardinal clinical signs of cardiac ischemia
4. Discuss ischemic heart disease in the connection to other common cardiovascular diseases
5. Be able to identify the knowledge gaps in the research field

Course content

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We will discuss the factors affecting the risk for coronary heart disease across selected low and high income settings; the cardinal symptoms and the underlying mechanisms; novel and emerging cardiac biomarkers; established and novel preventive measures. In addition, we will give an overview of vascular disease in other vascular beds to put coronary artery disease in a pan-vascular context. Finally, we will address the gaps in knowledge in this research field.

Forms of teaching and learning

The course will be delivered as a full-time course during five consecutive days. It will consist of lectures, time for own reading of the literature and preparing the course tasks, group works, oral presentations/discussions and a final exam.

Language of instruction

The course is given in English.

Grading scale

Pass (G) /Fail (U)

Compulsory components & forms of assessment

Compulsory components

The course participants should attend all the course lectures and the sessions of group work and presentation/discussion. The participants who have missed some of the sessions will be assigned additional reading and essay work to compensate the absence.

Forms of assessment

Formative assessment by peers and lecturers during the group works and discussions and summative assessment of the written examination.

Course literature

The organizers will provide course participants with electronic handouts/teaching materials from all lectures.

The list of recommended articles and book chapters will be distributed to the course participants latest 2 weeks before the course start.