

Description

C275/01 Clinical epidemiology of cardiovascular diseases, type 2 diabetes and obesity

ECTS: 2.10

GP: ClinFO

Responsible: Reimar Wernich Thomsen

Secretary: Annette Madsen

Application deadline: 22-10-2018

Title: Clinical epidemiology of cardiovascular diseases, type 2 diabetes and obesity

Reg.no: C275/01

is being offered by the Graduate School of Health, Aarhus University, fall 2018

Criteria for participation: University degree in medicine, dentistry, nursing, or Master's degree in other fields and/or postgraduate research fellows (PhD students and research-year medical students).

Aim: To provide students with up-to-date epidemiological knowledge in the exciting field of cardiovascular diseases (CVD) and (dys-)metabolic diseases. Topics will include atherosclerotic CVD, heart failure, atrial fibrillation, stroke, type 2 diabetes (T2D), and obesity. We will discuss risk factors, current trends in disease incidence and prevalence, pharmacoepidemiology, and clinical outcomes. There will be an introduction to the basic and advanced observational methodology toolbox within cardiovascular epidemiology and clinical outcome studies. The students will thus be provided with guidance on designing, implementing, and interpreting studies in the cardiometabolic area using data from Danish registries and quality databases.

Learning outcomes:

- Up-to-date knowledge on the current epidemiology of CVD/T2D/obesity.
- Understanding of basic and advanced observational methodology frequently used in cardiometabolic research, including incidence studies, case-control studies, comparative effectiveness research, matched study designs, regression analyses, propensity scores, etc.

Content:

- State-of-the-art review of the current knowledge on occurrence, determinants, and complications of CVD/T2D/obesity
- Central concepts in epidemiology: incidence, prevalence risk, outcome, main epidemiological study designs

- Clinical epidemiological studies of CVD/T2D/obesity, using Danish databases, cohorts, and registries: What data can we use in Denmark? Can we trust data validity? How do we design a study, prepare and analyse the data, and present our findings?
- Student presentation and feedback on the students' own planned research

Recommended knowledge for participation: Basic knowledge of CVD/T2D/obesity

Language: English

ECTS: 2.1

Head of course: Reimar W. Thomsen

Instructors: Kasper Adelborg, Jens Sundbøll, Sigrid Gribsholt, Reimar W. Thomsen, other KEA faculty, and national experts within clinical and epidemiological CVD/T2D/obesity research.

Number of participants: 30

Dates and times: 19, 20 and 21 November from 9:00 - 16:00

Place: "Det Blå Auditorium" in "Victor Albeck Bygningen", Vennelyst Boulevard 4, 8000 Aarhus C

Course fee: DKK 2.520

Participation in the course is without cost for:

- PhD students, Research Year students and Research Honours Programme students from Aarhus University
- PhD students from University of Helsinki
- PhD students from other institutions in the open market agreement for PhD courses

Application deadline: 22 October 2018

Application: <https://service.health.au.dk/modules/Course/mypage/coursecalendar>.