

Statistical methods in medical research

The Faculty of Medicine Postgraduate Education Unit (PGE) and Finnish Doctoral Program in Oral Sciences FINDOS-Turku organize two-day course 3.-4.10.2022. All doctoral candidates at the Faculty of Medicine are welcome to attend the course. The number of participants is limited to 20 doctoral candidates.

Course leader: Associate Professor Ulvi Gursoy, Institute of Dentistry

Teachers: Jouko Miettunen, Professor, Clinical epidemiology, University of Oulu, Auli Suominen, University Teacher, Institute of Dentistry, University of Turku

Credits: 2 ECTS

Learning outcomes: Understand the process from the idea to the article at the statistical point of view. Student understand the basics of the study designs, power and sample size, bias, describing the data, independent or non-independent, statistical testing, how to select the analysis method/test, interpreting results, statistical and clinical significance, possible problems with solutions (examples).

Study methods: 3 lectures (6 hours) and 3 workshops (6 hours)

Requirements: Active participation in the lectures and group work and journal club and presenting their own study plan.

Evaluation: Pass/Fail

Registration in Peppi by 28.9.2022.

Programme

Monday 3.10.2022

Place: Medisiina D Upokas MED D1052

9.00-11.00 Lecture I: Ethics in statistics

11.00-12.15 Lunch (not free)

12.15-13.45 workshop I: Journal club

13.45-14.00 coffee

14.00-15.30 Lecture II: Statistical testing

Tuesday 4.10.2022

Place: Medisiina D Upokas MED D1052

9.00-11.00 Lecture III: Meta-analysis, systematic reviews

11.00-12.15 Lunch (not free)

12.15-13.45 workshop II: Student presentations: Own study plan

13.45-14.00 coffee

14.00-15.30 workshop III: Student presentations: Own study plan

Please contact FINDOS Coordinator Sanni Helander sanni.helander@utu.fi for more information