EUROPEAN ACADEMY OF DERMATOLOGY & VENEREOLOGY

Summer Workshop: Clinical Research and Epidemiology

Residents and specialists Course | 26-30 June 2023 | Rotterdam, Netherlands

Description

This course is intended for residents and dermatologists who have an interest in pursuing research but have not yet undertaken a substantive block of research time. The course contains lectures about study design of both clinical trials and observational research, evidence-based dermatology, genetic/pharmaco-epidemiology and microbiome research. You will get started yourself with data analyses in SPSS, covering topics for beginners (such as data cleaning/editing, basic statistical inference) or more advanced topics (such as multivariable regression and survival analyses) depending on your prior knowledge and needs. The course contains interactive journal clubs and a workshop on study design. By the end of this course you should have the basic knowledge and skills to design and analyse your own research project.

Learning Objectives

1. Study design of RCTs and observational studies
2. Practicals of data-management and analysis using SPSS
3. Evidence-based Dermatology and meta-analyses
4. Critically reading scientific articles and using reporting guidelines during a Journal club
5. Using large (routinely collected) datasets in (pharmaco/genetic) epidemiology and microbiome research.

Faculty Members

Chairs:	Tamar Nijsten; Loes Hollestein
Speakers:	André Uitterlinden: Emilie Sbidian; Marlies Wakkee; Phyllis Spuls; Kim Thomas; Luba Pardo Cortes

Programme

Monday, 26 June 2023
(Room OWC 16)
Introduction Epidemiology

09:00 – 09:30	Introduction - Tamar Nijsten
09:30 – 10:30	Epidemiological study designs Epidemiological bias – Loes Hollestein
10:30 – 10:45	Coffee Break in Foyer Q
10:45 – 12:00	cont'd STROBE statement - Loes Hollestein
12:00 – 13:00	Lunch Break in Foyer C
13:00 – 14:00	Introduction statistical analysis - Tamar Nijsten
14:00 – 15:00	Practical data analysis - Loes Hollestein and Marlies Wakkee
15:00 – 15:30	Coffee Break in Foyer Q
15:30 - 18:00	Practical data Analysis Beginners: syntax, prepare data, descriptives Advanced: syntax, basic statistical inference, linear regression

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Tuesday, 27 June 2023
(Room OWC 16)
Clinical Studies

09:00 – 09:45 Harmonizing outcome measures in clinical trials – Kim Thomas
09:45 – 10:30 How to run a RCT – Kim Thomas
10:30 – 10:45 Coffee Break in Foyer C
10:45 – 12:00 CONSORT statement - Kim Thomas
12:00 – 13:00 Lunch Break in Foyer C
13:00 – 15:00 Practical Data Analysis - Loes Hollestein; Marlies Wakkee
Beginners: basic statistical inference; Linear regression
Advanced: multivariable linear regression
15:00 – 15:30 Coffee Break in OWC 8
15:30 – 17:00 Journal Club (STROBE/CONSORT) - Tamar Nijsten; Loes Hollestein

Wednesday, 28 June 2023
(Room OWC 5)
Evidence Based Medicine

10:00 – 10:45 Meta-analyses – Emilie Sbidian
10:45 – 11:00 Coffee Break in Foyer C
11:00 – 12:00 Evidence-based Dermatology - Phyllis Spuls
12:00 – 13:00 Lunch Break
13:00 – 14:00 Journal Club (PRISMA) - Emilie Sbidian and Phyllis Spuls

Thursday, 29 June 2023
(Room OWC 16)
Large datasets

09:00 – 09:45 Pharmacoepidemiology – Emilie Sbidian
09:45 – 10:30 Genetic Epidemiology - André Uitterlinden
10:30 – 10:45 Coffee Break in Foyer C
10:45 – 11:30 Microbiome – Luba Padro Cortes
11:30 – 12:00 Practical data-analysis - Loes Hollestein; Marlies Wakkee
12:00 – 13:00 Lunch Break in Foyer C
13:00 – 15:00 Practical data-analysis - Loes Hollestein; Marlies Wakkee
Beginners: logistic regression, Survival analyses (Kaplan Meier curves)
Advanced: Survival analyses (Kaplan Meier curves), Cox regression
15:00 – 15:30 Coffee Break in OWC-15
15:30 – 16:15 Routinely collected healthcare data – Marlies Wakkee

17:00 – 18:15 Spido Cruise Tour

19:30 Networking Dinner

Friday, 30 June 2023
(Room OWC 5)
Problem Solving

09:00 – 10:30 Workshop Study Design (Research questions from participants - Tamar Nijsten; Loes Hollestein; Marlies Wakkee
10:30 – 10:45 Coffee Break in Foyer C
10:45 – 12:00 Cont'd
12:00 – 13:00 Evaluation - Tamar Nijsten; Loes Hollestein

The programme might be subject to changes.

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