



Clinical pharmacokinetic studies for TB, HIV and Malaria “a practical TESA course” 4 June to 8 June 2012

The University of Cape Town's (UCT) Division of Clinical Pharmacology, in association with Trials of Excellence in Southern Africa (TESA),

presents an interactive 5-day workshop on the theoretical & practical aspects of designing, organising & analysing pharmacokinetic-pharmacodynamic (PK-PD) clinical research projects.



TOPICS INCLUDE

- ❖ PK-PD basics
- ❖ HIV, TB & malaria PK-PD research questions
- ❖ Protocol development including study design, selection criteria, dosing & PK sampling strategies
- ❖ Clinical & laboratory end-point data collection methods
- ❖ Drug management
- ❖ Laboratory techniques: sample preparation, extraction & assay
- ❖ Data management
- ❖ Introduction to analysis using Excel, Stata® & nonlinear mixed-effect modelling
- ❖ Examples of PK-PD clinical trials in healthy volunteers & patients, including drug interaction studies

COST

- ❖ Tuition is free (self-funding is required for subsistence & travel)

SPEAKERS INCLUDE

- ❖ **Prof Gary Maartens**
Head, Clinical Pharmacology & former head, Infectious Diseases, UCT, with research interests in clinical aspects of HIV &/or TB
- ❖ **Prof Karen Barnes**
Member, Regional Malaria Control Commission, ACT Consortium, WWARN & WHO treatment policy committees, with research interests in improving antimalarial dosing regimens
- ❖ **A/Prof Helen McIlleron**
Principal investigator TB & TB/HIV PK&PK/PD trials. Head of a highly skilled pharmacometrics group
- ❖ **Elizabeth Allen, MPH**
Clinical research operational/GCP trainer & pharmacist, with research interest in pharmacoepidemiology
- ❖ **Lesley Workman, MPH**
Scientific coordinator responsible for data management and pooling, WWARN pharmacology module

- ❖ **Experts in GCP, GLP, experienced laboratory & data analysts**

WHO SHOULD ATTEND

- ❖ Investigators wanting to include PK or PK/PD in their clinical trials
- ❖ Clinical trial team members new to PK research
- ❖ MSc or PhD students, Post-doctoral fellows & registrars working in PK or PK/PD

POTENTIAL OUTPUT

- ❖ Outline protocol of attendees' own PK-PD clinical research study

VENUE

- ❖ University of Cape Town

CONTACT

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TESA, which is funded by the European & Developing Countries Clinical Trials Partnership (EDCTP), aims to build clinical trials' capacity & infrastructure in Southern Africa by mentoring & training researchers to conduct trials in line with ethical guidelines & Good Clinical Practices (GCP).

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