

ANNUAL REPORT 2007-2008
IATDM & CT Clinical Pharmacokinetics Committee

(A) Report on activities during meetings:

At the 2005 meeting in Louisville, it was decided that the committee should make a proposal for a workshop to be held during the 2007 meeting in Nice. After discussion the following topic was accepted: Contemporary Therapeutic Drug Management: Integrating patient information, pharmacogenetic testing, PK modelling and interpretation.

The following topics were addressed:

- Pitfalls in TDM of antibiotic drugs: analytical and modelling issues by C. Neef. (Department of Clinical Pharmacy and Toxicology, University Hospital of Maastricht)
- Handling data from patients with unstable renal function – population approaches and application of Interacting Multiple Model methodology by Iona Macdonald (Pharmacy Department, Gartnavel General Hospital, Glasgow, UK)
- Integrating pharmacogenetics and pharmacokinetics; how to dose drugs according to genotype by VHM Deneer, (hospital pharmacist/clinical pharmacologist, St. Antonius Hospital, Dept of Clinical Pharmacy, Nieuwegein, The Netherlands)
- Population modelling and development of teicoplanin dosage guidelines for outpatient use by Alison Thomson and Elspeth Lamont (Western Infirmary and Gartnavel General Hospital Glasgow, UK)
- Clinical pharmacokinetics at an early age – perspective of the NIH Pediatric Pharmacology Research Units Network by Alexander A. Vinks, PharmD, PhD, FCP. (Cincinnati Children's Hospital Medical Center, University of Cincinnati, Cincinnati, Ohio USA)
- Development and implementation of a pediatric knowledge base by Jeffrey Barrett (Children's Hospital of Philadelphia, Philadelphia, USA).

The meeting was a great success.

The annual meeting of the committee during the 2007 conference was poorly attended. Possible reason may have been the fact that committee meetings were scheduled during lunchtime and several members of the committee also had to attend other meetings.

(B) Report on activities during meetings:

(B1) Presentations

Dr Touw participated in a pro-con discussion about therapeutic drug monitoring in neonates during the EACPT 2007 conference in december.

(B2) Publications of committee members

Van Enckevort CCG, Touw DJ, Vleming L-J. N-Acetylcysteine and hemodialysis treatment of a severe case of methyl ethyl ketone peroxide intoxication. Clin Toxicol 2008; 46: 74-78.

Wilms EB, Touw DJ, Heijerman HG. Pharmacokinetics and sputum penetration of azithromycin during once weekly dosing in cystic fibrosis patients. J Cyst Fibros 2008; 7: 79-84.

Jimmink A, Caminada K, Hunfeld NGM, Touw DJ. Clinical toxicology of citalopram after acute intoxication with the sole drug or in combination with other drugs: Overview of 26 cases. Ther Drug Monit 2008; 30: 365-371.

(C) List of objectives for the next year:

To actively participate in national and international fora on therapeutic drug monitoring and clinical pharmacokinetics.

To develop ideas for committee activities during the 2009 conference.