Publications

Original papers

Pharmacokinetics of unbound linezolid in plasma and tissue interstitium of critically ill patients after multiple dosing using microdialysis.

Urea as an endogenous surrogate in human microdialysis to determine relative recovery of drugs: analytics and applications.

Pharmacokinetics of Enfuvirtide in Patients Treated in Typical Routine Clinical Settings.

N. Plock, C. Buerger, C. Kloft.
Successful management of discovered pH dependence in vancomycin recovery studies: Novel HPLC method for microdialysis and plasma samples.

N. Plock, C. Kloft.
Microdialysis – Theoretical background and recent implementation in applied life-sciences.

Pharmacokinetics of Linezolid in Bone Tissue investigated by in situ Microdialysis.

N. Plock, C. Buerger, C. Joukhadar, S. Kljucar, C. Kloft.
Does linezolid inhibit its own metabolism? – Population pharmacokinetics as a tool to explain the observed nonlinearity in both healthy volunteers and septic patients.
Drug Metab. Dispos., submitted (2007).

N. Plock, C. Buerger, C. Joukhadar, S. Kljucar, C. Kloft.
Influence of creatinine clearance, weight and thrombocytes on the pharmacokinetics of linezolid in the critically ill.
In preparation.

N. Plock, C. Buerger, C. Joukhadar, S. Kljucar, C. Kloft.
Population pharmacokinetics of linezolid in healthy volunteers and septic patients – Analysis of microdialysis tissue data.
In preparation.
Conference Abstracts

N. Plock, C. Joukhadar, S. Kljucar, C. Kloft.
Population Pharmacokinetics of Linezolid in Tissue and Plasma of Healthy Subjects and Septic Patients – Managing Nonlinearity.

A Population Pharmacokinetic Model for the Simultaneous Description of Linezolid Tissue and Plasma Disposition in Healthy Volunteers and Septic Patients.

Are we all the same? - Population Pharmacokinetics of Linezolid in Tissue and Plasma.

Microdialysis in Bone Tissue - Pharmacokinetics of Linezolid.

N. Plock, C. Bürger, C. Joukhadar, M. Müller, S. Kljucar, C. Kloft.

L.B. Stolle, N. Plock, C. Joukhadar, M. Muller, M. Arpi, C. Buerger, P. Riegels Nielsen, C. Kloft.
Pharmacokinetics of Linezolid in Bone Tissue investigated by in situ Microdialysis.

N. Plock, C. Kloft.
Special Characteristics of Microdialysis with Vancomycin – pH Dependence of Microdialysis Recovery.

C. Bürger, N. Plock, C. Kloft.
Tissue Pharmacokinetics of Linezolid Assessed by Microdialysis.

O. Schwalbe, C. Bürger, N. Plock, C. Scheerans, C. Kloft.
Human Microdialysis: Urea as an Endogenous Reference Compound to Determine Relative Recovery of Drugs.
Conference Abstracts (continued)

N. Plock, C. Kloft.
P.H-dependency of microdialysis recovery – In vitro microdialysis of vancomycin.

N. Plock, C. Kloft.
Determination of vancomycin concentrations in tissue of critically ill patients: A combination of microdialysis and HPLC.

C. Bürger, N. Plock, C. Joukhadar, M. Müller, C. Kloft.
Pharmacokinetics of linezolid at the site of infection.

O. Schwalbe, C. Bürger, N. Plock, C. Kloft.
Urea as an endogenous reference compound for the determination of the in vivo recovery in human microdialysis samples.

N. Plock, C. Kloft.
Tissue concentrations of vancomycin in critically ill patients: Microdialysis combined with a rapid and sensitive HPLC quantification.

Tissue pharmacokinetics of linezolid assessed by microdialysis.

O. Schwalbe, C. Buerger, N. Plock, C. Kloft.
Determination of in vivo recovery in human microdialysis samples: Urea as a reference compound.

N. Plock, C. Buerger, C. Kloft.
Rapid and sensitive HPLC quantification of vancomycin in critically ill patients.

O. Schwalbe, C. Buerger, N. Plock, C. Kloft.
Urea as a reference compound to determine the in vivo recovery in human microdialysis samples.
Presentations

Are we all the same? - Population Pharmacokinetics of Linezolid in Tissue and Plasma.
Annual meeting of the German Pharmaceutical Society 2005, Mainz, Germany.

N. Plock, C. Bürger, S. Kljucar, C. Joukhadar, M. Müller, C. Kloft.
Clinical study on the pharmacokinetics (PK) and pharmacodynamics (PD) of linezolid at the site of infection.
Bad Honnef-Symposium 2005, Königswinter, Germany.

N. Plock, C. Buerger, C. Kloft.
Rapid and sensitive HPLC quantification of vancomycin in critically ill patients.
Annual meeting of the German Pharmaceutical Society 2003, Würzburg, Germany.