ASA ABSTRACTS

Drug Disposition: Drug Disposition & Malignant Hypothermia

A-518  
Room H, 10/16/2000 9:00 AM - 11:00 AM (PS)  
Prospective Validation of the Context Sensitive Half Times for Propofol  
Matthew T. Chan, FANZCA; P.T. Chui, FANZCA; Y.H. Tam, M Phil; Tony Gin, MD, Anaesthesia and Intensive Care, Chinese University of Hong Kong, Hong Kong. The calculated context sensitive half times for propofol closely predicts the actual decline of plasma concentration.

A-519  
Room H, 10/16/2000 9:00 AM - 11:00 AM (PS)  
A Pilott Study of Oral Transmucosal Etidomate in Volunteers  
Talmage D. Eggan, M.D.; Carl Roland, Pharm.D.; Julia L. White, RN,BS; Mason A. Gay, BS; Steven E. Kern, Ph.D., Department of Anesthesiology, University of Utah, Salt Lake City, UT, United States. We studied the relative bioavailability of OTS-Etidomate in a group of 12 volunteers as a proof of concept study for providing sedation with the OTS product.

A-520  
Room H, 10/16/2000 9:00 AM - 11:00 AM (PS)  
In-Vivo Effects of the Serotonin-2 Receptor Agonist DOI on Anesthetized Swine Susceptible for Malignant Hyperthermia  
Marko Fiege, MD; Frank Wupper, MD; Jens Scholz, MD; Ralf Weissborn, MD; Jochen Schulze am Esch, MD, Department of Anesthesiology, University Hospital Eppendorf, Hamburg, Germany. MHP-typical reactions to DOI in malignant hyperthermia susceptible swine are stress-independent.

A-521  
Room H, 10/16/2000 9:00 AM - 11:00 AM (PS)  
Pharmacokinetics of TCI-Propofol in Parkinson's Disease Patients Undergoing Sub-Thalamic Deep Brain Stimulation Implantation  
Pedro L. Gamiño, MD; Inatli F. Trocozzi, PhD; Ricardo Valero, MD; Enrique Carrero, MD; Neus Fabregas, MD, Anesthesiology, Hospital Clinic, Univ. Barcelona, Barcelona, Spain. Propofol/TCI kinetic model is less accurate and is biased for sedation of Parkinson patients.

A-522  
Room H, 10/16/2000 9:00 AM - 11:00 AM (PS)  
Preoperative β-Blockade Has a Protective Effect on Epinephrine-Induced Myocardial Ischemia in Patients Undergoing Coronary Surgery  
Michael Gunnicker, MD; Michael T. Nosch, MD; Goran Pavliakovic, MD; Matthias Brinkmann, MD, Dept. of Anesthesiology and Intensive Care, University hospital, Essen, Germany. β-Blockade avoids myocardial lactate generation after epinephrine.

A-523  
Room H, 10/16/2000 9:00 AM - 11:00 AM (PS)  
Lack of Involvement of CYP2B and 2C in the Metabolism of Midazolam: Kinetic Analysis and Inhibition Study with Monoclonal Antibodies  
Naoya Hamaoka, Yutaka Oda; Ichiro Hase; Tatsumi Nakamoto, Akira Asuda, Anesthesiology and Intensive Care Medicine, Osaka City University, Osaka, Japan. Cytochrome P450 2B and 2C are not involved in the metabolism of midazolam.

A-524  
Room H, 10/16/2000 9:00 AM - 11:00 AM (PS)  
Noninvasive Estimation of the Recirculatory Pharmacokinetics of a Marker of the Intravascular Space during Liver Transplantation  
Thomas K. Hartenborn, MD; Susan Mandell, MD, PhD, Anesthesiology and Pharmaceutical Sciences, University of Colorado Health Sciences Center, Denver, CO, United States. The peripheral circuit with the long mean transit time consists largely of the splanchic circulation.

A-525  
Room H, 10/16/2000 9:00 AM - 11:00 AM (PS)  
Evidence That the Fentanyl Blood-Brain-Barrier Transporter is pKa-Specific  
Thomas K. Hartenborn, MD; Xiangdong Yan, PhD; Lawrence Ng, PhD, Anesthesiology and Pharmaceutical Sciences, University of Colorado Health Sciences Center, Denver, CO, United States. The active transport of fentanyl into brain endothelial cells is more potently inhibited by basic drugs than by acidic drugs.

A-526  
Room H, 10/16/2000 9:00 AM - 11:00 AM (PS)  
The Effects of Propofol on Platelet Aggregation  
Hideo Hirakata, MD, Masami Sagabara, MD; Kazushige Fukuda, MD, Anesthesiology, Kyoto University Hospital, Kyoto, Japan. Propofol and Diprivan® have different effects on platelet aggregation and IP, formation, although Intralipid® did not affect platelet IP3 formation.

A-527  
Room H, 10/16/2000 9:00 AM - 11:00 AM (PS)  
Influence of Sufentanil Concentration on Propofol Requirement and Recovery Times during Thyroid Surgery  
Malik Ho-tfani, MD; Elisabeth Hentgen, MD; Florent Capron, MD; Jean-Marc Ropars; Valerie Billard, MD, Anesthesie, Institut Gustave Roussy, Villejuif, France

A-528  
Room H, 10/16/2000 9:00 AM - 11:00 AM (PS)  
Pharmacokinetics of Liposomal Δ9-Tetrahydrocannabinol (THC) Delivered through the Lungs  
Orlando R. Hung, MD; Ping Sbek, Ph.D.; Peter Tikuisis, Ph.D.; Jiri Zamecnik, Ph.D., Anesthesi, Dalhousie University, Halifax, Nova Scotia, Canada

A-529  
Room H, 10/16/2000 9:00 AM - 11:00 AM (PS)  
Effects of Parecoxib, a Parenteral COX-2 Specific Inhibitor, on the Disposition of Midazolam Andra Ibramin, MD; Aziz Karim, PhD; Jennifer Feldman, BS; Evan Kharasch, MD, Anesthesiology, University of Washington, Seattle, WA, United States

A-530  
Room H, 10/16/2000 9:00 AM - 11:00 AM (PS)  
Effects of Parecoxib, a Parenteral COX-2 Specific Inhibitor, on the Disposition of Propofol Andra Ibramin, MD; Sang Park, Ph.D.; Jennifer Feldman, BS; Evan Kharasch, MD, Anesthesiology, University of Washington, Seattle, WA, United States

A-531  
Room H, 10/16/2000 9:00 AM - 11:00 AM (PS)  
The Elimination of Alfentanil Is Decreased by Propofol  
Harald Bomsen, M.Sc.; Sven Albrecht, M.D.; Jorg Ecken, M.D.; Werner Her-ting, M.D.; Jurgen Schuttler, M.D., Department of Anesthesiology, University of Erlangen-Nuremberg, Erlangen, Germany. Pharmacokinetic of alfentanil during TIVA with propofol was studied in 20 patients. Clearance of alfentanil was reduced by 38%.

A-532  
Room H, 10/16/2000 9:00 AM - 11:00 AM (PS)  
PK/PD Analysis of Etorphidone Given across the Buccal Mucosa  
Steven E. Kern, Ph.D.; Carl Roland, Pharm.D.; Julia L. White, RN,BS; Mason A. Gay, BS; Talmage D. Eggan, M.D., Department of Anesthesiology, University of Utah, Salt Lake City, UT, United States. We studied the kinetics and dynamics of a transmucosal etomidate in volunteers using multiple arterial blood samples, the OAA/S score and the BIS index.

A-533  
Room H, 10/16/2000 9:00 AM - 11:00 AM (PS)  
Infrarenal Metabolism and Toxicity of Methoxyflurane  
Evan D. Kharasch, MD, PhD; Richard A. Zager, MD; Candy Hsieh, BS; Eric Flamoe, BS, Anesthesiology, University of Washington, Seattle, WA, United States