ASA ABSTRACTS

Critical Care & Trauma: Monitoring Outcomes

A-412 Room G, 10/16/2000 2:00 PM - 4:00 PM (PS)
Gastric Intramucosal Acidosis Can Predict the Need for Prolonged Use of Mechanical Ventilation after Cardiac Surgery
Kazuhiko Miki, M.D.; Asan Medical Center, Tokyo, Japan. pHg and age can be predictors of prolonged mechanical ventilation.

A-413 Room G, 10/16/2000 2:00 PM - 4:00 PM (PS)
Transthoracic Echocardiography in Postoperative Management of Patients Undergoing Heart Surgery
Edith C. Andre, MD; Frederique S. Ryckwaert, MD; Pascal H. Colson, MD, Anesthesiolog Sante et Reanimation. Montpellier, Huma, France. Transthoracic echocardiography can guide postoperative management of patients operated on for heart surgery.

A-414 Room G, 10/16/2000 2:00 PM - 4:00 PM (PS)
A Method to Facilitate the SVC Localization of Catheter during Right Subclavian Catheterization in Children
J. H. Bahl, MD; C. W. Chong, MD; J. F. Lim, MD; C. H. Ko, MD, Anesthesiology, SNUH, Seoul, Korea. In children, when patients tilt their heads toward the puncture side during right subclavian catheterization, catheter position in SVC more frequently than the other positions.

A-415 Room G, 10/16/2000 2:00 PM - 4:00 PM (PS)
Perioperative Cardiac Events and the Use of Cardiac Enzymes and EKG in a Surgical ICU after Non-Cardiac Surgery
Claudia Barbot, MD; William Peruzzi, MD, Anesthesiology, Northwestern University Medical School, Chicago, IL, United States. The utility of postoperative myocardial injury assessment is low when performed without clear reason. Patients should be selectively evaluated.

A-416 Room G, 10/16/2000 2:00 PM - 4:00 PM (PS)
Natriuretic Peptides and Water- and Electrolyte Balance in Critically Ill Patients
Elmar Berendes, MD; Carsten Raubake, MD; Christoph Schmidt, MD; Hugo Van Aken, MD, FRCA; Michael Walter, MD, Anestesziology and Intensivmedizin, Westfälische Wilhelms-Universität, Muenster, NRW, Germany. ANP but not BNP is involved in the regulation of water and electrolyte balance in the critically ill.

A-417 Room G, 10/16/2000 2:00 PM - 4:00 PM (PS)
Validation of MR In-Vivo Measurement of Oxygen Saturation after Resuscitation with a Hemoglobin-Based Oxygen Carrier in a Rabbit Model

A-418 Room G, 10/16/2000 2:00 PM - 4:00 PM (PS)
Effects of a Hemoglobin-Based Oxygen Carrier on Conjunctival Microcirculation in Hypovolemic Dogs Studied with Computer-Assisted Intravital Microscopy

A-419 Room G, 10/16/2000 2:00 PM - 4:00 PM (PS)
New Approach in Non-invasive Measurement of Hb/Hct/SpO₂
Daniel Geva, MD; Ben-Zion Sklar, MD; Emanuel Menashe, MD, PhD; styne Fine, PhD, Anesthesiology, Kaplan Medical Center, Rehovot, Israel. A new research non-invasive device using NIR spectroscopy and finger systolic occlusion and release of blood flow driven by cathrobyte aggregation/disaggregation has been developed and tested.

A-420 Room G, 10/16/2000 2:00 PM - 4:00 PM (PS)
Influence of Aspirin on the Contribution of Platelets, Hemocrit and Fibrinogen in Predicting the Thromboelastograph Maximum Amplitude (TEF-GMA)
P. J. Grettich, M.D.; Magdala Kurada, M.D.; Vladislav S. Marktin, Ph.D.; Jeni Shi, M.D.; Charles W. Whitten, M.D., Anesthesiology, UT Southwestern, Dallas, TX, United States. We showed that correlations between platelets, FIB, HCT and TEG-GMA are altered by aspirin.

A-421 Room G, 10/16/2000 2:00 PM - 4:00 PM (PS)
Coagulation Parameters as an Early Prognostic Factor in Major Trauma
J. H. Metz, Dr.med.; Markus Brucke, Dr.med.; Jens Hauke, Dr.med.; Lorenz Lamp, PD Dr.med., Dept. of Anesthesiology and Intensive Care, German Armed Forces Medical Center, Ulm, Germany. Complex changes in blood coagulation occur early after trauma. In our study survivors and non-survivors show a significant difference in blood coagulation.

A-422 Room G, 10/16/2000 2:00 PM - 4:00 PM (PS)
Clonidine and Dexmedetomidine Concentration-Dependently Inhibit the Intestinal Peristaltic Reflex In Vitro. Mechanism of Action of Clonidine
Michael K. Herbert, MD; Susanne Roth-Goldbrunner, MD; Peter Holzer, Ph.D.; Norbert Roewer, MD, Dept. of Anesthesiology, University of Wuerzburg, Germany. Clonidine and dexmed inhibit ileal motility through adrenoceptors and opioidergic pathways.

A-423 Room G, 10/16/2000 2:00 PM - 4:00 PM (PS)
Sedation Score (OAA/S) and BIS in Surgical ICU Patients
J. W. Johnson, MD, Ph.D.; R. J. A. Gaddis, BS, Anesthesiology, Emory University School of Medicine, Atlanta, GA, United States. BIS remains correlated with OAA/S in surgical ICU patients, but they respond to voice commands at much lower BIS values than peroperative volunteers.

A-424 Room G, 10/16/2000 2:00 PM - 4:00 PM (PS)
Comparing the Effects of Two Endotracheal Suctioning Methods Using Oxygen Saturation in Trauma Patients with Multi-Organ System Injuries
Calvin Johnson, MD; James Hans, RN; Ferdinand Brainard, MD; Kenneth Lewis, MD; Zohreb Steffen, MD, Anesthesiology, Charles R. Drew U. Med, Martin Luther King Jr. Med, Los Angeles, CA, United States. Hyperoxygenation is not required.

A-425 Room G, 10/16/2000 2:00 PM - 4:00 PM (PS)
Platelet Activation during Hemofiltration
Sibylle A. Kozek, MD; Andrea Michalek, MD; Christian K. Spiss, MD; Burkhard Gustorff, MD; Michael Zimnitter, MD, Anesthesiology and General Intensive Care, University of Vienna, Vienna, Austria. Antiplatelet prostaglandins inhibit early events of platelet activation during hemofiltration.