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 *Kozaburo Akiyoshi, M.D.; Ken Yamaura, M.D.; Kentaro Tokuda, M.D.; Kazuo Irita, M.D.; Shosuke Takahashi, M.D., Department of Anesthesiology and CCM, Kyushu University, Fukuoka, Japan.* pHi 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, Anesthesia and reanimation B, Saint ELOI, Montpellier, Herault, 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. Bahk, MD; C.W. Chung, MD; Y.J. Lim, MD; H. Ko, MD, Anesthesiology, SNUH, Seoul, Korea.* In children, when patients are tilting their heads toward the puncture side during right subclavian catheterization, catheter positions 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 *Cristina Barboi, 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 Raufhake, MD; Christoph Schmidt, MD; Hugo Van Aken, MD, FRCA; Michael Walter, MD, Anesthesiology and Intensive Care Medicine, Westfaelische Wilhelms-Universitaet, 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 *F.P. Chan, M.D., Ph.D.; J.S. Jahr, M.D., Ph.D.; B. Driessen, D.V.M, Ph.D.; D.A. Daunt, D.V.M; K.C.P. Li, M.D., Anesthesiology/Radiology, UC Davis Med Ctr/Stanford Univ Med Cen, ,.* In a rabbit model, in vivo-MR oximetry after infusion of an HBOC revealed correlation with ex-vivo oximetry.

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.T.W. Cheung, Ph.D.; J.S. Jahr, M.D.; B. Driessen, D.V.M., Ph.D.; F. Lurie, M.D., Ph.D.; R.A. Gunther, Ph.D., Anesthesiology/Pathology, Univ of Cal Davis, Sacramento, CA,.* Intravital microscopy shows improved conjunctival microcirculation after HBOC infusion in hypovolemic dogs.

A-419 Room G, 10/16/2000 2:00 PM - 4:00 PM (PS)
New Approach in Non-invasive Measurement of Hb/Hct/$Sp0_2$ *Daniel Geva, MD; Ben-Zion Sklar, MD; Emanuel Menashkin, MD, PhD; Ilya 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 erythrocyte 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, Hemotocrit and Fibrinogen in Predicting the Thromboelastographic Maximum Amplitude (TEG:MA) *Philip E. Greilich, M.D.; Mangala Kurada, M.D.; Vladislav S. Markin, Ph.D.; Chen 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:MA 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 ? *Matthias Helm, Dr.med.; Markus Brucke, Dr.med.; Jens Hauke, Dr.med.; Lorenz Lampl, PD Dr.med., Dept. of Anaesthesiology and Intensive Care, Federal 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, PhD; 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 *Jay W. Johansen, MD, PhD; Raj A. Gadbia, 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 perioperative 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 Hams, RN; Ferdinand Braimah, MD; Kenneth Lewis, MD; Zohreh Steffens, MD, Nesthesiology, 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 Zimpfer, MD, Anesthesiology and General Intensive Care, University of Vienna, Vienna, Austria.* Antiplatelet prostaglandins inhibit early events of platelet activation during hemofiltration.