A-316  Room C, 10/16/2000 9:00 AM - 11:00 AM (PS)
Efficacy of Vital-Heat Warming in Post-Anesthetic Volunteers

A-317  Room C, 10/16/2000 9:00 AM - 11:00 AM (PS)
Clonidine on Bleeding and Transfusion Requirements after Coronary Bypass Graft Surgery Kenichi A. Tanaka, MD; Atsushi Tsuda, MD; Fania Szlam, MMS; Peter J. Olson, MD; Jeroold H. Levy, MD, Anesthesiology, Emory University School of Medicine, Atlanta, GA, United States. Compared with CABG patients on aspirin, patients on clonidine had higher chest drainage and a greater need for platelet transfusion.

A-318  Room C, 10/16/2000 9:00 AM - 11:00 AM (PS)
The Bispectral Index: A Guide to the Depth of Anesthesia during Spine Surgery Michael K. Urban, MD, PhD; Barbara Urquhart, RN, BSN, Anesthesiology, Hospital for Special Surgery, New York, NY, United States. The Bispectral Index may be a valuable monitor of the depth of anesthesia during anesthetics in which the use of hypnotics is limited and rapid emergence may be required.

A-319  Room C, 10/16/2000 9:00 AM - 11:00 AM (PS)
Prospective Study of 258 Cases of Intraoperative Monitoring of the Recurrent Laryngeal Nerve (IRM) during Thyroid Surgery Via Surface EMG Performed by the Anesthesiologist Tobias Wolf; Thomas M. Hemmerling, MD, DEAA; Joachim Schmidt, MD; Peter Klein, MD; Klaus E. Jacob, MD, Anesthesiology, University Erlangen, Erlangen, Bavaria, Germany. IRM (Surface EMG) avoided nerve injury in thyroid surgery.

A-320  Room C, 10/16/2000 9:00 AM - 11:00 AM (PS)
Relationship between ETCO2 and Cerebral Oxygen Saturation Fun-Sun F. Yao, MD; Chia-Chih Tseng, MD; Juntao Yu, BS; Norman Herman, MD, PhD, Anesthesiology, Weill Cornell Medical Center, New York, NY, United States. During hyperventilation, cerebral rSO2 decreased 1.12% for each mmHg decrease in ETCO2, but increased 0.46% for each mmHg increase in ETCO2.

Clinical Neuroscience: Hemodynamic Monitoring

A-321  Room C, 10/16/2000 2:00 PM - 4:00 PM (PS)
Towards Assessing Mitral Valve Annuloplasty Ring Function and Predicting Mitral Annuloplasty Size John G. Angoustides, MD; Bonnie L. Milas, Anesthesiology (Cardiothoracic Division), Hospital of the University of Pennsylvania, Philadelphia, PA, United States. Mitral annuloplasty rings are crucial to successful mitral valve repair. This pilot series demonstrates that TEE images and sizes the rings.

A-322  Room C, 10/16/2000 2:00 PM - 4:00 PM (PS)
Peripheral Venous Pressure Correlates Strongly with Volume during Incremental Volume Changes in Dogs Sanjay Bhatia, MBBS; James Munis, MD, PhD; Leonardo Lozada, MD; David DeFilly, PhD, Center for Anesthesiology Research, Cleveland Clinic Foundation, Cleveland, OH, United States. PVP is as good an indicator of volume status as CVP.

A-323  Room C, 10/16/2000 2:00 PM - 4:00 PM (PS)
Noninvasive Cardiac Output Using Partial CO2 Rebreathing vs Direct Aortic Flow Measurements during off Pump Coronary Artery Bypass Grafting (OPCABG) Monica Botero, MD; Said Kban- sarinca, MD; David Kirby, BA; Nikolaus Gravenstein, MD; Emilio B. Lobato, MD, Anesthesiology and Cardiovascular Surgery, Univ of Florida Coll of Medicine and Veterans Affairs Medical Center, Gainesville, FL.

A-324  Room C, 10/16/2000 2:00 PM - 4:00 PM (PS)
Measurements of Cardiac Blood Flow Velocity and Ventricular Cross-Sectional Area Are Suitable To Appraise Contractility J.A. Brescheit, MD; C.A. Greim, MD; M. Kessler, PhD; A. Mittnacht, MD; N. Roewer, MD, Anesthesiology, University Hospital, Wuerzburg, Germany. LV elastance can be determined with Doppler-sonographic measurements of cardiac artery blood flow velocity and LV cross-sectional area.

A-325  Room C, 10/16/2000 2:00 PM - 4:00 PM (PS)
First Visualisation of Microvessels and Rolling Leukocytes during Cardiac Surgery in Man Using Orthogonal Polarisation Spectral Imaging Frank Christ, MD; Siegfride Schaudig, Christian Schiessler, MD; Anthony G. Harris, PhD; Manfred Thiel, MD, Clinic of Anesthesiology, Ludwig Maximilians University, Munich, Germany. CPB reduces functional capillary density & increases rolling leukocytes.

A-326  Room C, 10/16/2000 2:00 PM - 4:00 PM (PS)
Photoplethysmographic Signals Recorded from Abdominal Organs Agnieszka J. Crear-Gilbert, MD, FRCA; Panayotis A. Kyricalou, MSC; Deric P. Jones, PhD; Richard M. Langford, MB BS, FRCA, Anaes-thebsia, Baris and The Royal London NHS Trust, London, United Kingdom. Good quality PPG signals were obtained from normally perfused human abdominal organs suggesting the feasibility of monitoring splanchic SpO2.

A-327  Room C, 10/16/2000 2:00 PM - 4:00 PM (PS)
Validation of Cardiac Output Measured by Ultrasound Dilution in a Peripheral Artery of Anesthetized Sheep Robin D. Blevs, BVSc; Victor V. Kislakshin, MS; Richard P. Hackett, DVM, MSc; Nikolai M. Kryftik, PhD, DSc; Alan Dobson, PhD, ScD, Clinical Sciences, Cornell University, Ithaca, NY, United States. Cardiac output by sound velocity dilution in a peripheral artery relates closely to direct measurements from the pulmonary artery.

A-328  Room C, 10/16/2000 2:00 PM - 4:00 PM (PS)
Clinical Evaluation of NICO2 in ICU Patients Lions Guzzi, M.D.; Nicholas Drake, RRT; Dinesh G. Haryadi, Ph.D.; Kai Kuck, Ph.D.; Joseph A. Orr, Ph.D., Dept. of Anesthesiology, Florida Hospital Orlando, FL, United States. NICO2 is a noninvasive cardiac output monitor based on partial CO2 rebreathing. We evaluated NICO2 in 40 ICU patients. Bias=0.28 L/min, Precision=0.98 L/min.

A-329  Room C, 10/16/2000 2:00 PM - 4:00 PM (PS)
Assessment of the Vasotrac Blood Pressure Monitor during Deliberate Hypotension Thomas Hartmann, M.D.; Majia Sostarcic, M.D.; Claudia Grabner, M.D.; Marius Poliac, Ph.D.; Kumar Belani, M.D., Anesthesiology and Intensive Care, University of Vienna, Vienna, Austria. This study validates usefulness of the Vasotrac BP monitor during deliberate hypotension.