ASA ABSTRACTS

A-175 Randomized Controlled Trial of Balanced Versus Sodium Chloride Based Intravenous Solutions in the Elderly Surgical Patient
N.J. Wilkes, MD; R. Stephebs, MD; R. Woof, MD; S.V. Mallett, MD; M.G. Mythen, MD, Centre for Anaesthesiology, Royal Free and University College London Medical School, London, United Kingdom. In elderly surgical patients balanced solutions may be superior to saline based fluids.

A-176 Mannitol Induced Dilutional Anemia during Renal Transplantation
David O. Yahbok, MD, Anaesthesiology, Ohio State University, Columbus, OH, United States. Renal transplant patients receive mannitol. This study shows that the mannitol causes a decrease in hematocrit on average 16% despite no blood loss. Mannitol induced a dilutional anemia that must be considered prior to transfusion of blood.

Clinical Circulation: Coagulation / Transfusion

A-177 High Doses of Ascorbic Acid Diminish Platelet Loss and Accelerate Return to Normal Following Cardiopulmonary Bypass
Georg A. Alliege, MD; Dieter U. Preiss, MD, PhD; Eberhard Jechschin, Prof Dr; Meike Cap, MD; Peter J. Tollenaere, MD, Dept of Anaesthesia, Heart Center, Bad Krozingen, Baden-Wuerttemberg, Germany. Vit C in heart surgery diminishes platelet loss and reduces ST-changes during reperfusion.

A-178 Transfusion of Irradiated Blood from Cell Salvage (CSblood) Does Not Cause Uptregulation of Systemic TNF-α, IL-1β and Eotaxin
Beatrice Beck-Schimmer, M.D.; Brigitte Romero, M.D.; Thomas Pasch, M.D.; Donat R. Spahn, M.D., Institute of Anaesthesiology, Zurich, Switzerland. Transfusion of irradiated CSblood does not increase serum levels of TNF-α, IL-1β and eotaxin in patients.

A-179 A Prospective, Randomized Study of Preoperative Autologous Donation for Total Hip Replacement
Dinna B. Billote, MD; Silas N. Gisson, PhD; David Green, MD, PhD; Richard L. Waxson, MD, Northwestern University Medical School, Chicago, IL, United States. Among non-anemic patients PAD provides no benefit for THR. PAD increased the likelihood of autotransfusion, wastage of pre-donated units, and costs.

A-180 The Hemodynamic Effects of the Red Cell Substitute Hemolink® (o-propenoic cross-linked human hemoglobin) on Vital Signs in Patients Undergoing CABG Surgery
Darcy C.H. Cheng, MD, MSc, FRCP; A. Ralphs-Edwards, MD; C.D. Mazer, MD; F.K.L. Carmichael, MD, PhD; George P. Biro, MD, PhD, Cardiac Anaesthesia and Intensive Care, Toronto General Hospital, University Health Network, Toronto, ON, Canada.

A-181 Continuous Perfusion of the Ventilated Lungs during CPB Reduces Hemostatic Activation
Wulf Dietrich, MD, PhD; Peter Tassani, MD; Michael Spanagl, MD; Josef A. Richter, MD, Department of Anaesthesiology, German Heart Center Munich, Munich, Germany.

A-182 Hypercoagulability by Genetic Laboratory and Clinical Outcome Yields Significant by Divergent Relationships
Seamus Fanning, Ph.D; Padraig O’Sullivane, Ph.D; Carmel Wall, FFARCI; Steve von Kier, FIP; David Royston, FRCA, Anaesthestia, Royal Brompton and Harefield NHS Trust, United Kingdom. Relation between outcome and hypercoagulability showed clinical, lab and genetic profiles differing by method and outcome.

A-183 Aprotonin Does Not Induce Hypercoagulability in Liver Transplantation
James Y. Findlay, MBChB; Ronald P. Kufner, MD; Mark H. Erel, MD; Steven R. Retke, MD, Anaesthesiology, Mayo Foundation, Rochester, MN, United States. In a randomized controlled trial of aprotonin use in liver transplantation no difference in the occurrence of hypercoagulability was found in comparing aprotonin to placebo.

A-184 O-Raffinose Crosslinked Human Hemoglobin (Hemolink®): Effect on Clinical Chemistry in Patients Undergoing Coronary Artery Bypass (CABG) Surgery
Barry A. Fingsen, MB FRCP; Craig R. Guenibert, MD FRCP; Steven E. Hill, MD; George P. Biro, MD; Louis Carmichael, MD, Anaesthesiology and Pain Medicine, University of Alberta, Edmonton, AB, Canada.

A-185 Effects of Hydroxethyl Starches on Platelet Function
Alexander Franz, MSc; Peter Brueunlich, MSc; Christian Foringer, MSc; Sibylle A. Kozek, MD, Anaesthesiology and General Intensive Care, University of Vienna, Vienna, Austria. In contrast to hydroxethyl starches with a molecular weight of 200 kD and 450 kD, solutions with a molecular weight of 130 kD had no significant antiplatelet effect.

A-186 Hemoglobin Replacement Therapy with Hemolink™ in Patients Undergoing CABG in Conjunction with Intraprostatic Autologous Donation (IAD)
Jean-Francois Hardy, MD; F.J. Lou Carmichael, MD; George Biro, MD; Raymond Martineau, MD; Jacques Chebly, MD, Anaesthesiology, Montreal Heart Institute, Montreal, QC, Canada. The oxygen carrier Hemolink™ reduces transfusion in CABG patients.

A-187 Acute Normovolemic Hemodilution Does Not Reduce Homologous Blood Transfusion in Cardiac Surgery
Laurent Hobin, Alexandre Schweizer, Marc Licker; Denis R. Morel, Anaesthesiology, University Hospital, Geneva, Switzerland. Acute normovolemic hemodilution does not lower allogeneic blood transfusion in cardiac surgical patients with no particular bleeding risk factors.

A-188 Thrombin, Cathespin G, and Plasmin Activity in Plasma in Cardiac Surgical Patients
Mutsutobu Kikura, MD; Akira Suzuki, MD; Shunji Kobayashi, MD; Matsuaki Doi, MD; Shohei Sato, MD, Anaesthesiology and Intensive Care, Hamamatsu University School of Medicine, Hamamatsu, Japan. Increases in protease activity with endothelial injury indicate pro-thrombotic after cardiopulmonary bypass.