A-677  Room 220–222, 10/17/2000 3:30 PM - 5:00 PM (PD)
Changes in Cerebral Microcirculation after the Release of Aortic Clamp in Rabbits Masayoshi Uchida, MD; Hiroki Iida, MD; Mami Iida, MD; Shoji Dohi, MD, Department of Anesthesiology, Gifu University School of Medicine, Gifu City, Gifu, Japan. Since cerebral pial vasoconstriction following aortic declamping is attenuated by serradast, it could be induced by TXA2.

**Experimental Circulation: Preconditioning & Potassium Channels**

A-678  Room 309, 10/18/2000 2:00 PM - 3:30 PM (PD)
Effect of Isoflurane on PKC Activated KATP Channel: Implications for Anesthetic Preconditioning Kazuhiko Fujimoto, MD, PhD; Zeljko J. Bosnjak, PhD; Wai-Meng Kuo, PhD, Anesthesiology, Medical College of Wisconsin, Milwaukee, WI, United States. Isoflurane modulates PKC activated KATP channel via an intracellular mechanism.

A-679  Room 309, 10/18/2000 2:00 PM - 3:30 PM (PD)
Sevoflurane Pre-treatment Improves Function and Reduces Formation of Peroxynitrite after Global Ischemia in Isolated Hearts Enis Oralija, MD, Jianzheong An, MD; Amanda Camara, PhD; Srini Varadarajan, MD, PhD; David T. Stone, MD, PhD, Anesthesiology, Medical College of Wisconsin, Milwaukee, WI, United States. Sevoflurane pre-treatment improves function and reduces peroxynitrite after ischemia.

A-680  Room 309, 10/18/2000 2:00 PM - 3:30 PM (PD)
Diabetes and Acute Hyperglycemia Abolish Mitochondrial KATP Channel-Induced Cardioprotection In Vito Judy R. Kersten, MD; Wolfgang G. Toller, MD; Paul S. Pagel, MD PhD; David C. Wartnig, MD PhD, Department of Anesthesiology, Medical College of Wisconsin, Milwaukee, WI, United States. Diaoxxide does not reduce myocardial infarct size in diabetic or hyperglycemic dogs.

A-681  Room 309, 10/18/2000 2:00 PM - 3:30 PM (PD)
Role of Mitochondrial KATP and Stretch-Activated Channels in Isoflurane-Induced Preconditioning Vincent Piriou, MD, PhD; Pascal Chiari, MD; Jean Neudecker, MD; Michel Orize, MD, PhD; Jean-Jacques Isbot, MD, PhD, EA 1896, Anesthésie-Reanimation, Hôpital Cardiovasculaire Louis Pradel, Lyon, France. We showed that 5-hydroxydecanoate and gadolinium antagonized isoflurane-induced preconditioning.

A-682  Room 309, 10/18/2000 2:00 PM - 3:30 PM (PD)
Chronic Intermittent Consumption of Low Doses of Ethanol Reduces Experimental Myocardial Infarct Size by KATP Channel Activation in Dogs Paul S. Pagel, MD, PhD; Wolfgang G. Toller, MD; Eric R. Gross, BS; Judy R. Kersten, MD; David C. Wartnig, MD, PhD, Anesthesiology, Medicine, and Pharmacology, Medical College of Wisconsin, Milwaukee, WI, United States. Ethanol reduces infarct size by activating KATP channels.

A-683  Room 309, 10/18/2000 2:00 PM - 3:30 PM (PD)
Isoflurane Sensitizes the Cloned Pancreatic KATP Channel to Dazoxide Anna Stadnicka, PhD; Wai-Meng Kuo, PhD; Zeljko J. Bosnjak, PhD, Anesthesiology, Medical College of Wisconsin, Milwaukee, WI, United States. Isoflurane inhibits current through cloned pancreatic KATP channels expressed transiently in HEK293 cells, and sensitizes the channel to dazoxide.

A-684  Room 309, 10/18/2000 2:00 PM - 3:30 PM (PD)
Remote Preconditioning Improves Lung Function after Repeated Coronary Artery Occlusion and Reperfusion Zhengyuan Xia, MD; Paul Herijgers, MD, PhD; P. Wouters, MD, PhD; T. Nishioka, MD, PhD; V. Leunens, Center for Experimental Surgery and Anesthesiology, Catholic University of Leuven, Leuven, Leuven, Belgium. BPC improves lung gas exchange after repeated coronary artery occlusion and reperfusion.

A-685  Room 309, 10/18/2000 2:00 PM - 3:30 PM (PD)