POSTER SYMPOSIUM

CONTROL OF CEREBRAL BLOOD FLOW

Tuesday, April 28, 1987; 4:00 P.M. - 6:30 P.M.

Marina Ballroom 3

(Hotel Convention Center)

Moderators: M. Douglas Jones, Jr. and Barbara Stonestreet

1. ROLE OF CYCLOOXYGENASE PATHWAY IN THE CEREBRAL ARTERIOLAR RESPONSE TO HYPOXIA IN NEWBORN PIGLETS. L. Craig Wagerle, Om P. Mishra, Maria Delivoria-Papadopoulos. Univ. of PA Sch. of Med., Dept. of Physiology, Philadelphia, PA. (Abstract 1240).
2. CHOLINERGIC MECHANISM IN THE CEREBRAL CIRCULATION OF THE NEWBORN PIGLET. L. Craig Wagerle, David W. Busija. Univ. of Penn. Sch. of Med., Dept. of Physiology, Phila., PA; Univ. of Tenn., Dept. of Physiology & Biophysics, Memphis, TN. (Abstract 415).
3. ROLE OF SYMPATHETIC NERVES IN REGIONAL CEREBRAL BLOOD FLOW (rCBF) RESPONSE TO APNEA IN NEWBORN PIGLETS. Jan M. Goplerud, L. Craig Wagerle, Maria Delivoria-Papadopoulos. Univ. of Pennsylvania, School of Medicine, Depts. of Physiology and Pediatrics, Philadelphia, PA. (Abstract 1904).
4. INDOMETHACIN BLOCKS CEREBRAL ARTERIOLAR RESPONSE TO NORMOXIC HYPERCAPNIA IN NEWBORN PIGLETS. L. Craig Wagerle, David W. Busija, Om P. Mishra, Maria Delivoria-Papadopoulos. Dept. of Physiology, Univ. of PA., Philadelphia, PA and Depts. of Physiology and Biophysics, Univ. of Tennessee, Memphis, TN. (Abstract 1296).
5. THE EFFECT OF PGE₁, PGF₂ALPHA AND PGI₂ ON CEREBRAL BLOOD FLOW (CBF) AND OXYGEN METABOLISM (CRMO₂) OF THE NEWBORN (NB) PIGLET, WITH AND WITHOUT INDOMETHACIN (Id) PRE-TREATMENT. S. Chemtob, N. Laudignon, K. Beharry, J. Rex, J.V. Aranda. Dept. of Dev. Pharm. and Ther., Montreal Children's Hosp., McGill Univ., Canada. (Abstract 363).
6. CEREBROVASCULAR ACTION OF INDOMETHACIN (Id) INDEPENDENT OF CYCLOOXYGENASE INHIBITION IN THE NEWBORN (NB). S. Chemtob, N. Laudignon, K. Beharry, J. Rex, J. V. Aranda. Dept. of Dev. Pharmacol. and Ther. Montreal Children's Hosp. McGill University, Montreal, Canada. (Abstract 1894).
7. EFFECT OF PHENOBARBITAL (PB) ON CEREBRAL BLOOD FLOW AUTOREGULATION (CBF - AR) AFTER SEIZURES (S) IN NEWBORN PIGLET. J.M. Hascoet, P. Monin, F. Feillet, P. Vert. INSERM U, Nancy France. (Abstract 1134).
8. HYPERVENTILATION (HV) RESTORES AUTOREGULATION OF CEREBRAL BLOOD FLOW (CBF) IN POSTICTAL PIGLETS. Pierre Monin, Barbara S. Stonestreet, William Oh. Brown Univ., Women & Infants' Hospital, Dept. of Pediatrics, RI, and Univ. de Nancy, Nancy, France. (Abstract 1179).

9. CEREBRAL ENERGY METABOLISM AND BLOOD FLOW DURING REPEATED PARTIAL ISCHEMIA. Abbot R. Laptok, Ron J.T. Corbett, Janet Peterson, Abdullah Hassan, Ray L. Nunnally, (Spon. by C. Rosenfeld). Depts. of Peds. and Biomed. Magnetic Resonance, Univ. Texas Health Science Center, Dallas, Dallas, TX. (Abstract 1912).
10. EFFECT OF PRAZOCIN ON REGIONAL CEREBRAL CAPILLARY PERFUSION AND BLOOD FLOW (CBF) AFTER MIDDLE CEREBRAL ARTERY (MCA) OCCLUSION. Mujahid Anwar, Ellen Buchweitz-Milton, Harvey R. Weiss. (Spon. by Thomas Hegyi). UMDNJ-Robert Wood Johnson Medical School, Depts. of Pediatrics and Physiology and Bio-Physics, Piscataway, NJ. (Abstract 1885).