

POSTER SESSION III

Thursday, April 30, 1987; 10:00 A.M. - 12:30 P.M.

EXHIBIT HALL

(Hotel Convention Center)

BEHAVIORAL PEDIATRICS

1. SPECIFIC EXPRESSIVE LANGUAGE DELAY: A LONGITUDINAL STUDY. Janet E. Fischel, Grover J. Whitehurst, Barbara D. DeBaryshe, Marie B. Caulfield. (Spon. by John C. Partin). SUNY at Stony Brook School of Medicine, Dept. of Pediatrics, Stony Brook, NY. (Abstract 50).
2. NEUROPSYCHOLOGICAL CORRELATES OF A CONTINUOUS PERFORMANCE TASK IN ATTENTION DEFICIT DISORDER (ADD). Barbara L. Trommer, Rudy Lorber, Kevin Armstrong, JoAnn Hoepfner. (Spon. by J. F. Pasternak). Northwestern Univ., Evanston Hosp., Dept. of Peds., Evanston, IL. (Abstract 74).
3. THE EXPANDED NEUROLOGIC EXAMINATION (ENE): DOES IT HELP? B.K. Shapiro, F.B. Palmer, R.C. Wachtel, S. Antell, L. Tislenk, A. Ross, A.J. Capute. The Johns Hopkins Medical Institutions, Depts. of Pediatrics and Biostatistics, The Kennedy Institute, Baltimore, MD. (Abstract 70).
4. GROWTH PARAMETERS IN SCHOOL-AGED BOYS WITH LEARNING AND BEHAVIOR PROBLEMS. Paul H. Lipkin, Bruce K. Shapiro, Arnold J. Capute. (Spon. by P. Lankowsky). SUNY Stony Brook, Schneider Child. Hosp. LIJMC, New Hyde Park and Johns Hopkins Med. Inst., Kennedy Inst., Dept. of Pediatrics, Baltimore, MD. (Abstract 58).

CRITICAL CARE

5. PULMONARY VASCULAR RESPONSE TO INCREASING CARDIAC INDEX FOLLOWING SYSTEMIC HYPOTENSION IS MODIFIED BY PENTOBARBITAL ANESTHESIA. Daniel P. Nyhan, Bessie B. Chen, Harold M. Goll, Patrick W. Clougherty, Paul A. Murray. (Spon. by Mark C. Rogers). The Johns Hopkins Medical Institutions, Dept. of Anesthesiology and Critical Care Medicine, Baltimore, MD. (Abstract 197).
6. HIGH FREQUENCY VENTILATION DECREASES THE BAROREFLEX. Erik A. Hagen, George A. Gregory. Univ. of California, Cardiovascular Research Institute and Anesthesia Dept., San Francisco, CA. (Abstract 165).
7. AIRWAY PATHOLOGY AFTER PROLONGED HIGH-FREQUENCY JET VENTILATION. Mark J. Polak, Richard L. Bucciarelli, William H. Donnelly. (Spon. by W. H. Drummond). Univ. of Florida School of Medicine, Shands Hospital, Depts. of Pediatrics and Pathology, Gainesville, FL. (Abstract 199).
8. NONRADIOGRAPHIC, TRANSCUTANEOUS DETERMINATION OF TRACHEAL TUBE POSITION: RESULTS OF MULTICENTER PRECLINICAL EVALUATION. Robert K. Crone, Endla K. Anday, Desmond J. Bohn, Michael F. Epstein, Anne B. Fletcher, William W. Fox, Ivan D. Frantz, III, Russell C. Raphaely, Ann E. Thompson, William McCormick. Ped. Research Collab., M.I.C.U. Office, The Child. Hosp., Harvard Med. School, Boston, MA. (Abstract 160).

9. EFFECTS OF PHENYLEPHRINE ON CEREBRAL AND MYOCARDIAL BLOOD FLOW DURING CPR IN INFANT PIGLETS. Charles L. Schleien, Raymond C. Koehler, Ivor D. Berkowitz, J. Michael Dean, John R. Michael, Mark C. Rogers, Richard J. Traystman. Johns Hopkins Medical Institutions, Dept. of Anesthesiology/Critical Care Medicine, Baltimore, MD. (Abstract 206).
10. LACK OF EFFECT OF ALLOPURINOL ON MORTALITY IN A MOUSE MODEL OF ENDOTOXIC SHOCK. Gregory L. Stidham, Jerry Shenep, Cynthia W. Broner. (Spon. by Henry H. Herrod). Univ. of Tennessee, LeBonheur Children's Medical Center and St. Jude Children's Research Hospital, Dept. of Pediatrics, Memphis, TN. (Abstract 208).
11. EFFECT OF PENTOBARBITAL THERAPY IN OUTCOME OF NEARLY-DROWNED, FLACCID COMATOSE CHILDREN. J. Carlos Maggi, Eliezer Nussbaum. (Spon. by Houchang Modanlou). Pediatric Intensive Care Unit, Miller Children's Hospital of Long Beach, Dept. of Pediatrics, Univ. of Calif, Irvine, CA, Long Beach, CA. (Abstract 185).
12. EFFICIENCY OF PEDIATRIC INTENSIVE CARE: A COMPARATIVE ANALYSIS OF 8 PEDIATRIC ICUS. Murray M. Pollack, Pamela R. Getson, Urs E. Ruttimann, Curt M. Steinhart, Robert K. Kanter, Robert W. Katz, Aaron R. Zucker, Nancy L. Glass, William A. Spohn, Bradley P. Fuhrman, James D. Wilkinson. (Spon. by Glenn C. Rosenquist). GW Univ. and Children's Hospital National Medical Center, Washington, DC and NIH, Medical College of GA, SUNY-Syracuse, Univ's of MN, Chicago, Texas, Minn, Depts. of Peds and Anesth. (Abstract 200).
13. IMPLEMENTATION OF THE THIRD GENERATION NON-INVASIVE REBREATHING CARDIOPULMONARY PARAMETER SOFTWARE IN AN OLEIC ACID LUNG INJURY DOG MODEL. D. Spencer Brudno, Donald H. Parker, Kenneth D. Burch, Curt M. Steinhart (Spon. by Albert W. Pruitt). Depts. of Peds. and Surg., Med. Coll. of Georgia, Augusta, GA. (Abstract 155).
14. CEREBRAL SALT-WASTING SYNDROME IN PEDIATRIC NEUROSURGICAL PATIENTS. Gregory L. Stidham, Anthony DiSciafani, Robert A. Sanford. (Spon. by Henry H. Herrod). Univ. of Tennessee, LeBonheur Children's Medical Center, Division of Critical Care, Depts. of Pediatrics and Neurosurgery, Memphis, TN. (Abstract 207).
15. ATRIAL NATRIURETIC PEPTIDE (ANP): THE RELATIONSHIP WITH VOLUME, TACHYCARDIA AND CRITICAL ILLNESS. Alan L. Davis, David S. Goldstein, Jose R. Salcedo, Karen Kuehl, Murray M. Pollack. (Spon. by Glenn C. Rosenquist). George Washington Univ. Children's Hospital National Medical Center, Depts. of Anesthesiology, Cardiology and Pediatrics, Washington, DC and Hypert/Endoc BR, NHLBI, NIH, Bethesda, MD. (Abstract 161).

DEVELOPMENTAL BIOLOGY

16. EFFECT OF MURINE AND HUMAN YOLK SACS ON THE DEVELOPMENT OF THE FETAL MOUSE DUODENUM IN ORGAN CULTURE. Guy Bordeleau, Raymond Calvert, Francois Bouthillier, Jean-Guy Lehoux. (Spon. by Marek R.-Pleszczynski). Dept. d'anatomie et de biologie cellulaire, Faculte de medecine, Univ. de Sherbrooke, Sherbrooke, Quebec, Canada. (Abstract 224).
17. EFFECT OF HYPOXIA ON OXYGEN CONSUMPTION OF AND BLOOD FLOW TO THE PELVIC LIMB OF FETAL SHEEP. David W. Boyle, Randall B. Wilkening, Giacomo Meschia. (Spon. by F. Battaglia). Depts. of Pediatrics and Physiology, Univ. of Colorado School of Medicine, Denver, CO. (Abstract 225).
18. CHRONIC MATERNAL THIRD TRIMESTER HYPOXIA ON METHIONINE ENKEPHALIN LEVELS IN PRETERM RABBIT BRAINSTEM. J. Gingras, W. Long. (Spon. by J. E. Brazy). Duke U. Med. Ctr., Dept. of Peds., Durham, NC, Burroughs Wellcome, RTP, NC. (Abstract 245).
19. 15-HYDROXYEICOSATETRAENOIC ACID (15-HETE) PROMOTES MIGRATION OF HUMAN RETINAL MICROVESSEL ENDOTHELIAL CELLS (HME) IN VITRO. Janet E. Graeber, Marie J. Stuart, Bert M. Glaser. Depts. of Peds. and Ophth., The Johns Hopkins Hospital, Baltimore, MD and Upstate Medical Center, Syracuse, NY. (Abstract 250).
20. PUTATIVE MESENCHYMAL RECEPTOR CELLS FOR MIGRATING NEURAL CREST CELLS IN ANEURAL SEGMENTS OF EMBRYONAL CHICK GUT. J. H. Carel Meijers, Dick Tibboel, Arthur W. M. van der Kamp, Jan C. Molenaar. (Spon. by Thom E. Lobe). Erasmus Univ. School of Medicine, Dept. of Pediatric Surgery. Dept. of Cell Biology and Genetics, Rotterdam, The Netherlands. (Abstract 275).

DEVELOPMENTAL MORPHOLOGY & TERATOLOGY

21. IS COCAINE A TERATOGEN IN HUMANS? Ben K. Rajegowda, Rosila Lala, Anasuya Nagaraj, Veronica Stephan, Silvia Iosub. (Spon. by Harry S. Dweck). NY Med. Coll. Lincoln Hosp., Div. of Neon-Perin. Med., Dept. of Peds., Bronx, NY. (Abstract 344).
22. FRYNS SYNDROME: FURTHER DELINEATION AND ANTENATAL DIAGNOSIS. Steven J. Bamforth, Jan M. Friedman, Tapio P. Pantzar, David A. Chitayat, Beth A. Keena, Judith G. Hall. Univ. of British Columbia, Dept. of Medical Genetics and Pathology, Vancouver, B.C. Canada. (Abstract 313).
23. PROSPECTIVE MSAFP SCREENING FOR DOWN SYNDROME: THE BAYLOR EXPERIENCE. Frank Greenberg, Judy Garza, Barbara Weyland, Elliot Alpert, Esmie Rose. (Spon. by Arthur L. Beaudet). Baylor College of Medicine, Inst. for Molecular Genetics and Dept. of Medicine, Houston, TX. (Abstract 329).
24. SUPRAVALVULAR AORTIC STENOSIS WITHOUT WILLIAMS SYNDROME. Michael A. Schmidt, Virginia V. Michels, Robert H. Feldt, Donald J. Hagler, Gregory J. Ensing, Guy Carter. Mayo Clinic, Depts. of Genetics and Pediatrics, Rochester, MN. (Abstract 345).

25. INCONTINENTIA PIGMENTI (IP): LINKAGE ANALYSIS OF A KINDRED USING MULTIPLE Xp GENOMIC MARKERS. Daniel Sinnett, Grant Mitchell, Leo Lavergne, Serge B. Melancon, Louis Dallaire, Michel Potier, Damian Labuda. Genetique Medicale, Hopital Ste-Justine, Universite de Montreal, Montreal, Quebec, and Dept. of Pediatric Genetics, Johns Hopkins Univ., Baltimore, MD. (Abstract 348).

EPIDEMIOLOGY

26. THE EPIDEMIOLOGY OF HIV INFECTION IN PREGNANT WOMEN AND THEIR CHILDREN. Anne Willoughby, Susan Holman, Herman Mendez, Marise Berthaud, Michael Cabbad, Sheldon Landesman, James Goedert. (Spon. by Sumner Yaffe). NIH, Bethesda, MD and SUNY, Brooklyn, NY. (Abstract 538).
27. ROLE OF MEDICAL AND NURSING PERSONNEL (P) IN NOSOCOMIAL (nosoc) SPREAD OF ROTAVIRUS (RV) ON AN INFANT WARD. Penelope H. Dennehy, Barbara A. Veloudis, William E. Tente, Georges Peter. Brown Univ. and Rhode Island Hospital, Dept. of Pediatrics, Providence, RI. (Abstract 498).
28. GENETIC ANALYSIS OF HOSPITAL-ACQUIRED ROTAVIRUS INFECTION: IDENTIFICATION OF THE MECHANISMS RESPONSIBLE FOR PROLONGED INFECTION. Joseph J. Eiden, Genevieve Losonsky, Steven Vonderfecht, Donna Verleur, Robert H. Yolken. (Spon. by Robert H. Yolken). The Johns Hopkins Univ. School of Medicine, Dept. of Pediatrics, Baltimore, MD. (Abstract 499).
29. CHRONIC MEDICAL CONDITIONS AND PERCEIVED HEALTH STATUS AMONG MEXICAN-AMERICAN CHILDREN. Fernando S. Mendoza, Laura E. Saldivar, Robert O. Valdez, Ricardo O. Castillo, Reynaldo Martorell, Catherine Baisden. (Spon. by Iris F. Litt). Stanford Univ. Stanford Center for Chicano Research, Stanford, CA. Abstract 512).
30. INDIVIDUAL AND SOCIOECONOMIC VARIABLES AFFECTING BLOOD PRESSURE RESPONSES TO PSYCHOLOGICAL STRESS. Grant W. Somes, Bruce S. Alpert, Joseph K. Murphy. Univ. of Tennessee, Memphis, Dept. of Peds., Memphis, TN. (Abstract 534).

GASTROENTEROLOGY & NUTRITION

31. SERUM ALPHA-1 ANTITRYPSIN (ALPHA-1 AT) LEVELS AS A MARKER OF ACTIVITY IN INFLAMMATORY BOWEL DISEASE (IBD). M. J. Pettei, J. Levine, M. Davidson. SUNY at Stony Brook and The Schneider Children's Hospital, LIJMC, Dept. of Peds, New Hyde Park, NY. (Abstract 611).
32. NATURAL HISTORY & PATHOPHYSIOLOGY OF ENTEROCOLITIS IN PIEBALD LETHAL MOUSE MODEL OF HIRSCHSPRUNG'S DISEASE. Prem Puri, Takao Fujimoto. Children's Research Centre, Our Lady's Hosp. for Sick Children, Crumlin, Dublin 12, Ireland. (Abstract 614).

33. COLON SHORT CHAIN FATTY ACID (SCFA) PROFILE IN THE NEWBORN. Robert D. Murray, H. Juhling McClung, B. Ulysses K. Li, Anton Ailabouni. (Spon. by Grant Morrow). Ohio State Univ., Columbus Children's Hospital, Dept. of Pediatrics, Columbus, OH. (Abstract 599).
34. DEMONSTRATION IN AN ANIMAL MODEL OF A HEAT LABILE TOXIN PRODUCED BY C. PYLORIDIS (CP). Vera F. Hupertz, Steven J. Czinn. (Spon. by Jeffrey L. Blumer). Case Western Reserve Univ. School of Medicine, Rainbow Babies and Childrens Hosp., Dept. of Pediatrics, Cleveland, OH. (Abstract 580).
35. THE EFFECT OF THE UNSTIRRED WATER LAYER (UWL) ON GLUCOSE OLIGOMER (GO) ASSIMILATION. John Fyda, Benny Kerzner, Howard R. Sloan, Anton Ailabouni, Constance Seckel, H. Juhling McClung. Dept. of Pediatrics, Ohio State Univ., Columbus Children's Hosp., Columbus, OH. (Abstract 563).
36. QUANTITATIVE LIVER FUNCTION BEFORE ORTHOTOPIC LIVER TRANSPLANTATION (OLT). Peter F. Whittington. Dept. of Pediatrics, Univ. of Chicago Pritzker School of Medicine, Wyler Children's Hospital, Chicago, IL. (Abstract 649).
37. LATE HYPERTRIGLYCERIDEMIA IN VERY-LOW-BIRTH-WEIGHT INFANTS FED EXCLUSIVELY HUMAN MILK. Frank R. Greer, Ann McCormick, Moti Kashyap, Charles Glueck. Univ. of Wisconsin, Dept. of Pediatrics, Madison, WI and Univ. of Cincinnati, Dept. of Medicine, Cincinnati, OH. (Abstract 570).

GENERAL PEDIATRICS & PEDIATRIC EDUCATION

38. ORTHOTOPIC HEPATIC TRANSPLANTATION FOR UNIMMUNIZED CHILDREN - A PARADOX OF CONTEMPORARY MEDICAL CARE. Walter Andrews, Charles M. Ginsburg. Southwestern Medical School Depts. of Surgery and Pediatrics, Dallas, TX. (Abstract 651).
39. USE OF PENICILLAMINE IN LOW-LEVEL LEAD POISONING. Michael Shannon, John Graef, Frederick H. Lovejoy, Jr. Dept. of Medicine, Children's Hosp., Boston, MA. (Abstract 681).
40. ASSESSMENT OF SCHOOL READINESS IN SICKLE CELL CHILDREN. Cristina Chua Lim, Gerald E. McCleary, Bryon C. Mache. (Spon. by Robert C. Boerth). Depts. of Pediatrics, Neurology and Radiology, Univ. of South Alabama College of Medicine, Mobile, AL. (Abstract 669).

IMMUNOLOGY

41. ESTABLISHMENT AND CHARACTERIZATION OF ADENOSINE DEAMINASE (ADA)-DEFICIENT T CELL LINES. Donald B. Kohn, Jane E. Selegue, Mark Ballow, R. Michael Blaese. NCI and NHLBI, NIH, Bethesda, MD. (Abstract 839).

42. EFFECT OF RESPIRATORY VIRAL INFECTION ON THE UPTAKE AND IMMUNE RESPONSE TO DIETARY ANTIGENS: POSSIBLE ROLE IN POTENTIATION OF ALLERGY. J. Freihorst, P.A. Piedra, P.L. Ogra. SUNY at Buffalo, Children's Hospital, Dept. of Pediatrics Division, Buffalo, NY. (Abstract 830).
43. IMMUNOGENICITY OF PURIFIED VARICELLA ZOSTER VIRUS GLYCOPROTEINS. Roger H. Giller, Stanley Winistorfer, Charles Grose. Univ. of Iowa College of Medicine, Dept. of Pediatrics, Iowa City, IA. (Abstract 831).

INFECTIOUS DISEASES

44. EFFECT OF RIBAVIRIN ON VIRAL TRANSCRIPTION. Philip Toltzis, Holly Glover, Kevin O'Connell, Jean L. Patterson. (Spon. by Kenneth McIntosh). Harvard Medical School, Children's Hospital, Div. of Infectious Diseases, Boston, MA. (Abstract 976).
45. DEVELOPMENT OF ANTIBODY RESPONSE TO HOST PROTEINS AS A POSSIBLE MECHANISM OF IMMUNOPATHOLOGY DURING RESPIRATORY SYNCYTIAL VIRUS (RSV) INFECTION. P.A. Piedra, P.L. Ogra. SUNY at Buffalo, Children's Hospital, Dept. Pediatrics, Buffalo, NY. (Abstract 950).
46. IMMUNOBLOT IDENTIFICATION OF A 43,000 DALTON MYCOPLASMA PNEUMONIAE MEMBRANE PROTEIN IN CLINICAL SPECIMENS. Leonard B. Weiner, Janet W. Smith, Julia A. McMillan, Anne M. Higgins, Randy D. Madsen, Steven R. Coates. (Spon. by R. Spitzer). Dept. of Pediatrics, SUNY Health Science Ctr. Syracuse, NY and Cetus Corporation, Emeryville, CA. (Abstract 982).
47. GENETIC COMPARISON OF ANIMAL AND HUMAN GROUP B ROTAVIRUSES USING CLONED cDNA PROBES AND TERMINAL FINGERPRINT ANALYSIS. Joseph J. Eiden, Malcolm McCrae, Ken Theil, Shigehiro Sato, Robert H. Yolken. (Spon. by Robert H. Yolken). The Johns Hopkins Univ. School of Medicine, Dept. of Pediatrics, Baltimore, MD. (Abstract 900).
48. MOLECULAR EPIDEMIOLOGY OF ROTAVIRUS (RV) INFECTION IN A NEWBORN CONVALESCENT ROOM. Pablo A. Vial, Karen L. Kotloff, Gail Krall, Genevieve A. Losonsky. (Spon. by Allen D. Schwarz). Center for Vaccine Development, Division Infectious Diseases, Dept. Pediatrics, U. Maryland, Baltimore, MD. (Abstract 979).
49. MURINE CYTOMEGALOVIRUS INFECTION OF BLOOD LEUKOCYTES: DETECTION OF ANTIGEN, NUCLEIC ACID, AND INFECTIOUS VIRUS. James F. Bale, Jr., Marsha O'Neil. (Spon. by Charles Grose). The Univ. of Iowa College of Medicine, Dept. of Pediatrics, Iowa City, IA. (Abstract 888).
50. RESPONSE TO VARICELLA ZOSTER VIRUS (VZV) GLYCOPROTEINS (GPs) IN CHILDREN WITH LEUKEMIA (ALL). Philip S. LaRussa, Anne A. Gershon, Sharon P. Steinberg, Philip S. Oh. Dept. of Pediatrics, Columbia Univ. College of Physicians & Surgeons, NY. (Abstract 930).

NEONATOLOGY

51. DOSE-RESPONSE OF THEOPHYLLINE IN NEONATES. Sarah Muttitt, Anne Tierney, Neil Finer. Univ. of Alberta, Royal Alexandra Hosp., Dept. of Newborn Medicine, Edmonton, Alberta, Canada. (Abstract 1180).
52. POSTNATAL AGE, THE BEST PREDICTOR OF THEOPHYLLINE HALF-LIFE A STABLE ISOTOPE STUDY. C. Dothey, K. King, S. Kaw, S. Debanne, K. Tserng. CWRU at Cleveland Metro. Gen. Hosp. and VA Hosp. Cleveland OH; SUNY at Stony Brook, Schneider Children Hosp., New Hyde Park, NY. (Abstract 1115).
53. MVI PEDIATRIC DOSE IN NEONATES. Phil Etches, Neil Finer, Alison Dinwoodie. Univ. of Alberta, Royal Alexandra Hospital, Dept. of Newborn Medicine, Univ. Hosp., Dept. of Lab Medicine, Edmonton, Alberta, Canada. (Abstract 1119).
54. FUROSEMIDE (F) AND ETHACRYNIC ACID (EA): RISK FACTORS FOR THE OCCURRENCE OF SERUM ELECTROLYTE ABNORMALITIES AND METABOLIC ALKALOSIS (MA) IN NEWBORNS AND INFANTS. N. Laudignon, A. Ciampi, L. Coupal, S. Chemtob, J.V. Aranda. Depts. of Peds. and Pharmacology, McGill Univ. Montreal Children's Hosp., Montreal, Canada. (Abstract 1158).
55. NEONATAL EFFECTS OF COCAINE ABUSE IN PREGNANCY. Tatiana M. Doberczak, Stefan Shanzer, Stephen R. Kandall. (Spon. by Walter L. Henley). Mt. Sinai School of Medicine, Beth Israel Medical Ctr., Depts. of Pediatrics and Neurology, NY. (Abstract 1114).
56. COCAINE AND AMPHETAMINE EXPOSURE IN NEONATES: PERINATAL CONSEQUENCES. Suzanne D. Dixon, Amy Oro. Univ. of California, San Diego, CA. (Abstract 1113).
57. MATERNAL COCAINE USE AND NEONATAL MORBIDITY. Ira Chasnoff, Scott MacGregor. (Spon. by James Stockman, III). Depts. of Pediatrics & Obstetrics, Northwestern Univ. Medical School, Chicago, IL. (Abstract 1096).
58. PROSPECTIVE RANDOMIZED TRIAL OF CLINDAMYCIN IN NEONATAL NECROTIZING ENTEROCOLITIS. Roger G. Faix, Thaddeus H. Grasela. (Spon. by Steven M. Donn). Depts. of Pediatrics and Pharmacy, Univ. of Michigan, Ann Arbor, MI. (Abstract 1120).
59. PREVENTION OF EXPERIMENTAL NECROTIZING ENTEROCOLITIS (NEC) BY SUPEROXIDE DISMUTASE (SOD). David A. Clark, Kevin Mullane, Branda Shrivastava, Hemant Prakash, Helen McNeill, Harry S. Dweck, Mark J.S. Miller. NY Med. Coll., West. Med. Ctr., Depts. of Ped. and Pharma., Valhalla, NY. (Abstract 1099).
60. EARLY DIAGNOSIS OF NECROTIZING ENTEROCOLITIS (NEC) BY BREATH HYDROGEN (H₂) ANALYSIS. Henry Cheu, David R. Brown, Don K. Nakayama, Marc I. Rowe. Univ. of Pittsburgh School of Medicine, Depts. of Pediatrics and Surgery, Pittsburgh, PA. (Abstract 1097).

61. LOCAL ANESTHESIA FOR PAINFUL MEDICAL PROCEDURES IN SICK NEWBORNS. Fran Porter, J. Philip Miller, Richard E. Marshall. Washington Univ. Sch. of Med., St. Louis Children's Hosp., Dept. of Pediatrics, St. Louis, MO. (Abstract 1201).
62. ADHESIVE POLYURETHANE DRESSINGS FOR DECREASING TRANSEPIDERMAL WATER LOSS IN PREMATURE NEONATES. A. Knauth, P. Gordin, W. McNelis, S. Baumgart. Div. of Neonatology and Dept. of Pediatrics, The Univ. of PA School of Medicine and the Children's Hosp. of Philadelphia, Philadelphia, PA. (Abstract 1153).
63. TRANSEPIDERMAL WATER LOSS OF VERY LOW BIRTHWEIGHT INFANTS: EFFECT OF A TRANSPARENT ADHESIVE DRESSING. Sergio A. Bustamante, Joann Steslow. Univ. of Arizona, Dept. of Pediatrics, Tucson, AZ. (Abstract 1090).
64. SUCKING PATTERNS IN NEWBORN INFANTS: EFFECTS OF NUTRIENT DELIVERY AND COMPOSITION OF FEED. Oommen P. Mathew, Jatinder Bhatia, Sally Sosa, Curtis C. Cowen. Univ. of Texas Medical Branch, Dept. of Pediatrics, Galveston, TX. (Abstract 1167).
65. EFFECT OF CHORIOAMNIONITIS ON THE CIRCADIAN INCIDENCE OF LABOR ONSET AND PREMATURE RUPTURE OF MEMBRANES. Michael S. Cooperstock. (Spon. by Bernhard H. Singesen). Univ. of Missouri School of Medicine, and Hosp. and Clinics, Dept. of Child Health, Columbia, MO. (Abstract 1104).
66. THE EFFECTS OF PROLONGED HYPERINSULINEMIA (HI) ON RED CELL MASS (RCM) IN FETAL SHEEP. Barbara S. Stonestreet, Marshall Goldstein, William Oh, John A. Widness. Brown Univ., Women & Infants' Hosp., Dept. of Pediatrics, Providence, RI. (Abstract 1226).
67. SUCCINATE STIMULATES NEONATAL RESPIRATION 15-FOLD. Tak Yee Aw, Dean P. Jones. (Spon. by George W. Brumley). Emory Univ. Sch. Med., Dept. of Biochem., Atlanta, GA. (Abstract 1067).

NEONATAL CARDIOLOGY

68. ATRIAL NATRIURETIC POLYPEPTIDE (ANP) IN THE FETAL RAT: ONTOGENY AND CHARACTERIZATION. Lawrence M. Dolan, Douglas J. Dobrozsi. (Spon. by Mark A. Sperling). Univ. of Cincinnati College of Medicine, Dept. of Pediatrics, Division of Endocrinology, Cincinnati, OH. (Abstract 1262).
69. ALTERATIONS IN RIGHT AND LEFT ATRIAL IMMUNOREACTIVE ATRIAL NATRIURETIC POLYPEPTIDE (IR-ANP) CONCENTRATION (CONC) AT BIRTH. Lawrence M. Dolan, Douglas J. Dobrozsi, Jane C. Khoury. (Spon. by Mark A. Sperling). Univ. of Cincinnati College of Medicine, Divisions of Endocrinology, Epidemiology & Biostatistics, Cincinnati, OH. (Abstract 1263).
70. ELEVATED ATRIAL NATRIURETIC PEPTIDE (ANP) IN PREMATURE INFANTS: RELATION TO PATIENT DUCTUS ARTERIOSUS (PDA). Julian M. Stewart, Branda Shrivastava, Guillermo A. Zeballos, Paul K. Woolf, Harry S. Dweck, Michael H. Gewitz. New York Medical College, Westchester Medical Center, Dept. of Pediatrics, Valhalla, NY. (Abstract 1291).

NEONATAL INFECTIOUS DISEASES

71. MODULATION OF POLYMORPHONUCLEAR LEUKOCYTE (PMN) OXYGEN METABOLITE PRODUCTION BY HUMAN COLOSTRUM. E. Stephen Buescher, Sarah M. McIlheran. (Spon. by L.K. Pickering). Univ. of Texas Med. School, Dept. Pediatrics and Prog. in Inf. Dis., Houston, TX. (Abstract 1437).
72. THE POSSIBLE ROLE OF ENTEROBACTERIA IN NECROTIZING ENTEROCOLITIS. Carol A. Carbonaro, Dirk Elseviers, David A. Clark. NY Med. College, Micro. Dept. Valhalla, NY. (Abstract 1439).
73. ORAL LACTOFERRIN (LF) AND LACTOPEROXIDASE (LP) DECREASE MORTALITY OF ENTEROTOXIGENIC E. COLI (ETEC) INFECTION. Richard E. McClead, Mary Lentz. (Spon. by H. Sloan). Ohio State Univ., Children's Hospital, Dept. of Pediatrics, Columbus, OH. (Abstract 1464).

NEONATAL NUTRITION & METABOLISM

74. SERIAL SERUM AND URINARY ALUMINUM LEVELS AND TISSUE LOADING IN PRETERM TWINS. M.E.A. Bozynski, A.B. Sedman, R.A. Naglie, E.J. Wright. (Spon. by S.M. Donn). Univ. of Mich., Dept. of Peds., Ann Arbor, MI. (Abstract 1503).
75. INTERLEUKIN-1 (IL-1) ORCHESTRATES GLUCOSE DYSHOMEOSTASIS (HYPERGLYCEMIA) IN NEWBORN ENDOTOXIC RATS. W. Patrick Zeller, Masakatsu Goto, R. Morrison Hurley, James P. Filkins. (Spon. by Edward S. Ogata). Stritch School of Medicine, Loyola Univ., Foster G. McGaw Hospital, Depts. of Pediatrics and Physiology, Maywood, IL. (Abstract 1601).
76. HYPERGLYCEMIA WITHOUT HYPERINSULINEMIA IMPAIRS SURFACTANT SECRETION IN THE FETUS OF THE STREPTOZOTOCIN-TREATED (STZ) RAT. Kristi L. Watterberg, John D. Johnson. Univ. of New Mexico School of Medicine, Dept. of Pediatrics, Albuquerque, NM. (Abstract 1596).
77. INSULIN TREATMENT OF PREGNANT DIABETIC RATS REVERSES ABNORMAL DEFORMABILITY OF FETAL ERYTHROCYTES. John D. Johnson, Sandra Trissel. Univ. of New Mexico, Dept. of Pediatrics, Albuquerque, NM. (Abstract 1539).
78. COMPARISON OF FORTIFIED HUMAN MILK (USING SIMILAC NATURAL CARE R) WITH EXPERIMENTAL LBW INFANT FORMULA. Paula Raschko, Jan Hiller, Gerda Benda, Neil Buist, John Reynolds. Oregon Health Sciences Univ., Dept. of Pediatrics, Portland, OR. (Abstract 1572).
79. BIOCHEMICAL MINERAL STATUS IN VLBW INFANTS FED PREMATURE FORMULA (PF) OR FORTIFIED HUMAN MILK (HM). J.C. Callenbach, R.T. Hall. Children's Mercy Hosp., Univ. of Missouri Kansas City Sch. of Med., Kansas City, MO. (Abstract 1505).
80. CALCIUM AND MAGNESIUM ENRICHMENT OF HUMAN MILK. Patricia R. Neal, Judith A. Ernst, Karyl Rickard, David Smith, James A. Lemons. Indiana Univ. School of Medicine, Dept. of Pediatrics, Indianapolis, IN. (Abstract 1562).

81. GROWTH AND BONE MINERAL STATUS OF PRETERM INFANTS FED ENRICHED HUMAN MILK AND PREMATURE FORMULAS. Laurie M. Mileur, Gary M. Chan, Renae J.A. McInnes, Gurmail Gill. Univ. of Utah, Pediatrics, Salt Lake City, UT. (Abstract 1555).
82. SYMPATHOADRENAL SYSTEM (SAS) ACTIVITY AND GLUCOSE (G) HOMEOSTASIS IN THE NEWBORN RATS OF DIABETIC MOTHERS. Philip W. Shaul, Chung-Ja M. Cha, Nancy L. Gelardi, William Oh. Brown Univ., Women & Infants Hospital, Dept. of Pediatrics, Providence, RI. (Abstract 1582).
83. THE PEDERSEN HYPOTHESIS DOES NOT ACCOUNT FOR ALL METABOLIC ABNORMALITIES IN THE INFANT OF THE DIABETIC MOTHER (IDM). Richard M. Cowett, Robert R. Wolfe. Brown Univ., Women & Infants Hosp., Dept. of Peds., Providence, RI, & Univ. Texas Med. Branch & Shriners Burns Institute, Galveston, TX. (Abstract 1515).
84. THE EFFECT OF GESTATIONAL AGE AND TYPES OF FEEDINGS ON SERUM LEVELS OF MYOINOSITOL IN NEONATES. G.R. Pereira, L. Baker, J. Egler, L. Corcoran, R. Chiavacci. Divisions of Neonatology and Endocrinology, Univ. of Pennsylvania School of Medicine and The Children's Hospital of Philadelphia, Philadelphia, PA. (Abstract 1568).
85. HDL SUBCLASS DISTRIBUTION AND CHOLESTEROL METABOLISM IMPROVE IN NEWBORNS ON TOTAL PARENTERAL NUTRITION. Arthur E. D'Harlingue, Orsolya M. Genzel, Lily C. Kao, Charles B. Scott, Virgie Shore, Trudy M. Forte. (Spon. by Bertram Lubin). Children's Hosp.-Oakland and Lawrence Berkeley Lab., Berkeley, CA. (Abstract 1518).

NEONATAL PULMONOLOGY

86. INTERACTION OF OXYGEN AND CARBON DIOXIDE IN INITIATING AROUSAL FROM SLEEP IN LAMBS. James E. Fewell. Univ. of Arkansas for Med. Sciences, Dept. of Peds., Little Rock, AR. (Abstract 1664).
87. CHEMORECEPTOR FUNCTION AND INFANTILE APNEAS. Michel A. Bureau, Rosendo Ardila, Apostolos Papageorgiou. Montreal Children's Hosp. and Lady Davis Research Institute, Montreal, Canada. (Abstract 1629).
88. EFFECT OF VAGOTOMY AND CAROTID BODY (CB) DENERVATION ON THE HYPOXIC VENTILATORY RESPONSE IN THE PIGLET. Robert A. Darnall, Terry Snider, Glen A. Green. (Spon. by John Kattwinkel). Dept. of Ped., Univ. of Virginia, Charlottesville. (Abstract 1642).
89. DOES THE LARYNX MODULATE EXPIRATORY AIRFLOW IN LAMBS DURING NORMOXIA AND HYPOXIA? G. Michael Davis, Claude Gaultier, Michel A. Bureau. McGill Univ.- Montreal Child. Hosp. Res. Institute, Montreal, Canada and Lab. Physiol., Clamart, France. (Abstract 1644).
90. INCREASING CEREBRAL BLOOD FLOW DECREASES VENTILATION IN THE NEWBORN PIGLET. Glen Green, Terry Snider, Robert Darnall. (Spon. by John Kattwinkel). Univ. of Virginia, Dept. of Ped., Charlottesville, VA. (Abstract 1678).

91. BEDSIDE COMPUTERIZED ANALYSIS OF NEONATAL PULMONARY MECHANICS USING LEAST MEAN SQUARE ANALYSIS. V.K. Bhutani, E.M. Sivieri, B.M. Minzak, S. Abbasi, M.R. Wolfson, T.H. Shaffer. (Spon. by L.H. Johnson). Univ. of PA Sch. of Med., Penn. Hosp., Newborn Peds. & Temple Univ. School of Med., Dept. Physiology, Phila., PA. (Abstract 1620).
92. POSTNATAL CARDIOPULMONARY STABILITY ACHIEVED IN VERY PRETERM LAMBS. Vinod K. Bhutani, Marla R. Wolfson, Nghia N. Tran, Thomas H. Shaffer. (Spon. by Lois H. Johnson). Temple Univ. Sch. of Med., Dept. Physiol, Phila., PA. (Abstract 1621).
93. EFFECT OF GRADED INSPIRATORY RESISTIVE LOADS ON THE INTRINSIC RESISTANCE OF PRETERM INFANTS. Shahnaz Duara, Tilo Gerhardt, Eduardo Bancalari. Univ. of Miami Sch. of Med., Jackson Memorial Hosp., Dept. of Ped., Miami, FL. (Abstract 1653).
94. CHANGES IN INTRINSIC RESISTANCE IN PRETERM INFANTS AFTER RESISTIVE LOADING OF DIFFERENT PHASES OF RESPIRATION. Shahnaz Duara, Tilo Gerhardt, Eduardo Bancalari. Univ. of Miami Sch. of Med., Jackson Mem. Hosp. Dept. of Peds., Miami, FL. (Abstract 1654).
95. COMPARISON OF TWO METHODS OF MEASURING PULMONARY MECHANICS IN INFANTS. Tilo Gerhardt, Linda Reifenberg, Shahnaz Duara, Eduardo Bancalari. Univ. of Miami, Jackson Memorial Hosp., Dept. of Ped., Miami, FL. (Abstract 1672).
96. SPONTANEOUS SIGHS DECREASE OCCLUDED INSPIRATORY DURATION AND INCREASE FUNCTIONAL RESIDUAL CAPACITY AND COMPLIANCE IN NEWBORN INFANTS. Victor Lvoff, Ellen M. McCann, Steven L. Goldman. (Spon. by S.T. Giammona). Dept. Peds, Children's Hosp., and Cardiovasc. Res. Instit., Univ. of California, San Francisco. (Abstract 1713).
97. EFFECT OF COMPRESSIVE FORCES ON AIRWAY RESISTANCE IN PRETERM LAMB TRACHEAS FOLLOWING VENTILATION. R.B. Penn, M.S. Alsberge, M.R. Wolfson, T.H. Shaffer. (Spon. by W.W. Fox). Dept. of Physiology, Temple Univ. Sch. of Med., Phila., PA. (Abstract 1734).
98. OXYGENATION INDEX CAN PREDICT OUTCOME IN NEONATES WHO ARE CANDIDATES FOR EXTRACORPOREAL MEMBRANE OXYGENATION. Manuel Ortega, Angela Ramos, James Atkinson, C. Michael Bowman. (Spon. by Thomas Keens). Developmental Lung Biol Res Center, Childrens Hosp of L.A., USC School of Medicine, Los Angeles, CA. (Abstract 1730).
99. USING THE EQUATION OF MOTION TO CALCULATE INADVERTENT PEEP. Peter Richardson, James Kemp, Thomas N. Hansen. Baylor College of Med. Dept. of Pediatrics, Houston, TX. (Abstract 1744).
100. HIGH-FREQUENCY JET VENTILATION IMPROVES GAS EXCHANGE WHEN COMPARED TO HIGH-FREQUENCY OSCILLATORY VENTILATION AT EQUIVALENT AIRWAY PRESSURES. Stephen J. Boros, Mark C. Mammel, Phillip Horcher, Margaret J. Gordon. Children's Hosp. of St. Paul, and Univ. of Minnesota, Dept. of Peds., Minneapolis, MN. (Abstract 1627).

NEUROLOGY

101. NEUROLOGIC OUTCOME AFTER EEG PROVEN NEONATAL SEIZURES. R. Clancy, A. Legido. (Spon. by W. Fox). Division of Neurology, Children's Hospital of Philadelphia, Philadelphia, PA. (Abstract 1896).
102. Na⁺,K⁺-ATPase AFFINITIES OF FETAL AND ADULT GUINEA PIG BRAIN. Om P. Mishra, Craig L. Wagerle, Jan M. Goplerud, Maria Delivoria-Papadopoulos. Univ. of PA Sch. of Med., Depts. of Physiology and Pediatrics, Philadelphia, PA. (Abstract 1925).
103. REGIONAL CEREBRAL BLOOD FLOW AND GLUCOSE METABOLISM DURING PERINATAL HYPOGLYCEMIA. Dennis J. Mulsce, Melanie A. Boyer, Robert C. Vannucci. Penn State Univ.-Hershey Medical Ctr., Dept. of Pediatrics, Hershey, PA. (Abstract 1927).
104. PATTERNS OF CEREBRAL GLUCOSE METABOLISM USING 18-FDG AND POSITRON TOMOGRAPHY IN THE NEUROLOGIC INVESTIGATION OF THE FULL TERM NEWBORN INFANT. Patrick S. Thorp, Gunter Firnau, E. Stephen Garnett, Simon D. Levin, Claude Nahmias, John C. Sinclair. Depts. of Pediatrics and Nuclear Medicine, McMaster Univ. Medical Ctr., Hamilton, Ontario, Canada. (Abstract 1946).
105. VENTRICULO-SUBCUTANEOUS SHUNT FOR POST IVH HYDROCEPHALUS. Ehud Zmora, Duane Geinsburg, Harvey Bennett, Michael Karplus. (Spon. by R. Gorodischer). Ben Gurion Univ., Ctr. for Health Sciences, Soroka Hospital, Dept. of Pediatrics and Neurosurgery, Beer-Sheva, Israel. (Abstract 1953).
106. ROLE OF AMINO ACIDS IN ADAPTATION AND TOLERANCE OF MAMMALIAN BRAIN TO CHRONIC HYPOOSMOTIC STRESS: POSSIBLE CLINICAL SIGNIFICANCE. Jean H. Thurston, Richard E. Hauhart. Washington Univ., Children's Hosp., Dept. of Pediatrics, St. Louis, MO. (Abstract 1947).