

## SUBSPECIALTY PLATFORM SESSION

### CRITICAL CARE

Wednesday, April 29, 1987; 2:00 P.M. - 5:30 P.M.

MARINA BALLROOM 1

(Hotel Convention Center)

Moderators: Bradley P. Fuhrman and Daniel L. Levine

1. 2:00 BASE DEFICIT DURING CARDIAC ARREST SECONDARY TO RESPIRATORY FAILURE IN IMMATURE PIGS. Larry Jefferson, David Fisher, John Rosborough, Christopher Martin, Thomas Hansen. Dept. of Pediatrics, Baylor College of Medicine, Houston, TX. (Abstract 174).
2. 2:15 CEREBRAL AND MYOCARDIAL BLOOD FLOW RESPONSE TO INCREASING DOSES OF EPINEPHRINE DURING CARDIOPULMONARY RESUSCITATION IN INFANT SWINE. Ivor D. Berkowitz, Raymond C. Koehler, Charles L. Schleien, Kenneth Kubos, 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 150).
3. 2:30 BROAD SPECTRUM ANTI-PLATELET AGGREGATION THERAPY IMPROVES POSTISCHEMIC CEREBRAL BLOOD FLOW (CBF) AND CORTICAL SOMATOSENSORY EVOKED RESPONSE (CSER) RECOVERY, BUT FAILS TO BLOCK PLATELET ACCUMULATION IN THE DAMAGED HEMISPHERE. P. Kochanek, A. Dutka, J. Hallenbeck (Spon. by B. Fuhrman). Naval Medical Res. Inst., Bethesda, MD, Children's Hospital, Washington, DC. (Abstract 178).
4. 2:45 REPERFUSION INDUCED FREE RADICAL FORMATION FOLLOWING GLOBAL ISCHEMIA. Jeffrey R. Kirsch, Anne M. Phelan, David G. Lange, Richard J. Traystman (Spon. by Mark C. Rogers). Johns Hopkins Medical Institutions. Dept. of Anesthesiology/Critical Care Med. Baltimore, MD. (Abstract 177).
5. 3:00 EFFECT OF OXYGEN-DERIVED FREE RADICAL SCAVENGERS ON MORTALITY IN ENDOTOXIN- CHALLENGED MICE. Cynthia W. Broner, Jerry Shenep, Gregory L. Stidham, Dennis Stokes (Spon. by Henry H. Herrod). Univ. of Tennessee, LeBonheur Children's Medical Center and St. Jude Children's Research Hosp., Div. of Critical Care, Dept. of Pediatrics, Memphis, TN. (Abstract 152).
6. 3:15 PENTOXIPHYLLINE (PENT) AND HYPOTHERMIA (HT) REDUCE THE SUSCEPTIBILITY TO HYPOXIA IN ANESTHETIZED DOGS. Marc B. Hershenson, James A. Schena, Paul A. Lozano, Robert K. Crone (Spon. by Ann R. Stark). Harvard Med. School, The Children's Hospital, Depts. of Anesthesia and Pulmonary Medicine, Boston, MA. (Abstract 168).
7. 3:30 THE PEDIATRIC RISK OF MORTALITY (PRISM) SCORE: A SIMPLIFICATION OF THE PHYSIOLOGIC STABILITY INDEX (PSI). Murray M. Pollack, Urs E. Ruttimann, Pamela R. Getson (Spon. by Glenn C. Rosenquist). George Washington Univ., Children's Hospital National Medical Center, Depts. of Anesthesiology and Pediatrics, Washington, DC. (Abstract 201).

8. 3:45 NEURAL REGULATION OF THE PULMONARY CIRCULATION FOLLOWING SYSTEMIC HYPOTENSION IN CONSCIOUS DOGS. Paul A. Murray, Patrick W. Clougherty, Daniel P. Nyhan, Bessie B. Chen, Harold M. Goll, (Spon. by Mark C. Rogers). The Johns Hopkins Medical Inst., Dept. of Anesthesiology and Crit. Care Med., Baltimore, MD. (Abstract 194).
9. 4:00 NEONATAL PULMONARY VASCULTURE: RECOVERY FROM POSITIVE END-EXPIRATORY PRESSURE (PEEP) IN INTACT AND ISOLATED LUNGS. Shekhar T. Venkataraman, Bradley P. Fuhrman, Donna F. Howland, Ann E. Thompson. Anesthesia/CCM & Peds, Univ. of Pittsburgh, Child. Hosp. of Pittsburgh, Pittsburgh, PA. (Abstract 210).
10. 4:15 PROSTAGLANDIN METABOLISM AND PULMONARY VASCULAR RESPONSE TO CHANGES IN PCO2 IN INFANTS. David L. Wessel, Paul R. Hickey, Dolly D. Hansen, Myron B. Peterson (Spon. by James E. Lock). Harvard Medical School, The Children's Hospital, Depts. of Anesthesia and Cardiology and Tufts-New England Medical Center, Dept. of Pediatrics, Boston, MA. (Abstract 214).
11. 4:30 ACQUIRED IMMUNODEFICIENCY SYNDROME IN CHILDREN: OUTCOME FOLLOWING ASSISTED VENTILATION. Ann Di Maio-Hunter, Daniel A. Notterman, James D. Wilkinson, Bruce M. Greenwald, Keith Krasinski, (Spon. by Maria I. New). Dept of Pediatrics, Cornell Univ. Med. Coll. and New York Univ. Med. Ctr., New York, NY. (Abstract 171).
12. 4:45 RELATIONSHIP OF DIAPHRAGMATIC CONTRACTILITY TO DIAPHRAGMATIC BLOOD FLOW IN A NEWBORN MODEL. David G. Nichols, Sandra Howell, Jody Massik, Raymond C. Koehler, Christine A. Gleason, James R. Buck, Richard J. Traystaman, James L. Robotham. Johns Hopkins Medical Institutions, Dept. of Anesthesiology/Critical Care Medicine, Baltimore, MD. (Abstract 195).
13. 5:00 THE NONINVASIVE MEASUREMENT OF EFFECTIVE PULMONARY BLOOD FLOW IN ACUTE LUNG INJURY. Kenneth D. Burch, Donald H. Parker, Spencer Brudno, Curt M. Steinhart (Spon. by Albert W. Pruitt). Medical College of Georgia, Dept. of Pediatrics, Augusta, GA. (Abstract 156).
14. 5:15 PRESSURE-FLOW BEHAVIOR OF A BRONCHO-PLEURAL FISTULA DURING MECHANICAL VENTILATION. Julio Perez Fontan, Andrea O. Ray (Spon. by G. Lister). Yale Univ. Dept. of Pediatrics, New Haven, CT. (Abstract 164).

SUBSPECIALTY PLATFORM SESSION

DEVELOPMENTAL PHARMACOLOGY II

Wednesday, April 29, 1987; 2:00 P.M. - 5:30 P.M.

MARINA BALLROOM 4

(Hotel Convention Center)

Moderators: Jean Robillard and Summer Yafee

1. 2:00 DIRECT MEASUREMENT OF HEME OXYGENASE ACTIVITY BY GAS CHROMATOGRAPHY. Hendrik J. Vreman, David K. Stevenson. Dept. of Pediatrics, Stanford Univ. School of Medicine, Stanford, CA. (Abstract 414).
2. 2:15 NEONATAL DIRECT HYPERBILIRUBINEMIA (DHB) ASSOCIATED WITH CHLORAL HYDRATE (CH) DOSAGE. John Muraskas, George H. Lambert, Ofelia Ayuste, Craig L. Anderson (Spon. by A. Cutilletta). Loyola U., Stritch School of Med., Dept. of Peds., Div. of Neonatology, Maywood, IL. (Abstract 395).
3. 2:30 CHEMICAL SYNTHESIS AND IN VITRO TOXICITY OF A REACTIVE INTERMEDIATE OF SULFAMETHOXAZOLE. Michael J. Rieder, Jack Uetrecht, S.P. Spielberg. The Hosp. for Sick Children, Univ. of Toronto, Depts. of Paediatrics, Med. and Pharm., Faculties of Med. and Pharmacy, Toronto, Ontario, Canada. (Abstract 406).
4. 2:45 THE EFFECT OF DIETHYLHEXYL ADIPATE (DEHA) ON CYTOCHROME P-450 (P-450) IN NONPREGNANT (NP) AND PREGNANT (P) MICE. George H. Lambert, Helen Lietz, Nancy Hassinger, John Micheals (Spon. by A. Cutilletta). Loyola Univ., Stritch School of Med., Dept. of Peds., Maywood, IL., and Univ. of Chicago, Chicago, IL. (Abstract 382).
5. 3:00 DRUG METABOLITE TOXICITY ASSESSED IN HUMAN LYMPHOCYTES WITH A PURIFIED, RECONSTITUTED CYTOCHROME P-450 SYSTEM. J. Steven Leeder, Marilyn Cannon, Azima Nakhoda, Stephen P. Spielberg. Univ. of Toronto, The Hospital for Sick Children, Research Institute, Division of Clinical Pharmacology, Toronto, Ontario. (Abstract 385).
6. 3:15 BINDING OF 2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN (TCDD), 3-METHYLCHOLANTHRENE (MC), AND BENZO (A) PYRENE (BP) TO MOLYBDATE STABILIZED HUMAN PLACENTAL Ah RECEPTOR. David K. Manchester, Stephen K. Gordon, Cheryl L. Golas, Eve A. Roberts, Allan B. Okey. Depts. of Peds. and Pharmacology, Univ. of Colorado, Denver, and the Division of Clin. Pharmacology, Hosp. for Sick Children, Toronto. (Abstract 390).
7. 3:30 MATERNAL DRUG ABUSE DURING PREGNANCY AND PHARMACOTHERAPY FOR NEONATAL ABSTINENCE SYNDROME (NAS). Loretta P. Finnegan, Sandra Ehrlich. Jefferson Medical College of Thomas Jefferson Univ., Dept. of Pediatrics, Philadelphia, PA. (Abstract 369).
8. 3:45 MATURATION OF FUROSEMIDE PHARMACOKINETICS AND PHARMACODYNAMICS IN THE PIGLET. Jeffrey J. Miceli, Paul A. Kramer, Dennis J. Chapron, Mark H. Mirochnick, Ted S. Rosenkranz, John R. Raye. Sch. of Pharm. & Dept. of Peds., Univ. of CT, Storrs and Farmington, CT. (Abstract 393).

9. 4:00 FUROSEMIDE PHARMACODYNAMICS FOLLOWING ACUTE AND CHRONIC ADMINISTRATION. Mark H. Mirochnick, Jeffrey J. Miceli, Dennis J. Chapron, Paul A. Kramer, John R. Raye. BU Dept. Peds., Boston MA and Univ. of Connecticut, Dept. Peds. and School of Pharmacy, Farmington, CT. (Abstract 394).
10. 4:15 HOW DO FUROSEMIDE (F), INDOMETHACIN (I) AND AMINOPHYLLINE (A) AFFECT EXPERIMENTAL NECROTIZING ENTEROCOLITIS (NEC)? Vrinda M. Telang, Debra M. Beneck, Abayomi Orafidiya, Harry S. Dweck. NY Medical Coll. West. Med. Ctr., Div. of Neonatal-Perinatal Medicine, Dept. of Peds & Pathology, Valhalla, NY. (Abstract 412).
11. 4:30 NITRENDIPINE (N) TREATMENT OF HYPERTENSION: ACUTE AND LONG TERM EFFECTS IN CHILDREN. Thomas G. Wells, Alan R. Sinaiko. Univ. of Minnesota Hospital and Clinics. Depts. of Pediatric Clinical Pharmacology and Pediatric Nephrology, Minneapolis, MN. (Abstract 419).
12. 4:45 THE CLINICAL PHARMACOLOGY OF IMIPENEM (IMP) AND CILISTATIN (CIL) IN PREMATURE INFANTS. Michael D. Reed, Robert M. Kliegman, Toyoko S. Yamashita, Jeffrey L. Blumer. Case Western Reserve Univ. School of Med., Rainbow Babies and Childrens Hospital, Dept. of Pediatrics, Cleveland, OH. (Abstract 404).
13. 5:00 CEFTAZIDIME (CTZ) CLEARANCE (CL) WITH CONGENITAL URINARY TRACT OBSTRUCTION (UTO). Robert M. Ward, Mark F. Bellinger, Brent W. Snow, W. Manford Gooch, Stan Davis (Spon. by M. Simmons). Depts. of Peds. and Urol., Univ. of Utah and Primary Children's Hospital, Salt Lake City, UT; Dept. of Surgery, Children's Hospital of Pittsburgh, Pittsburgh, PA. (Abstract 416).
14. 5:15 DISEASE SEVERITY AS A FACTOR IN ELIMINATION OF TOBRAMYCIN (TOBRA) IN PATIENTS WITH CYSTIC FIBROSIS (CF). Noni E. MacDonald, Robert F. Morris, Robert G. Peterson. Children's Hospital of Eastern Ontario, Dept. of Pediatrics, Ottawa, Ontario, Canada. (Abstract 389).

SUBSPECIALTY PLATFORM SESSION

ENDOCRINOLOGY II

Wednesday, April 29, 1987; 2:00 P.M. - 5:30 P.M.

EMBASSY EAST

(Embassy/Magnolia Center)

Moderators: Joseph Gertner and Stuart Handwerger

1. 2:00 HUMAN GROWTH HORMONE ADMINISTRATION INCREASES PLASMA OSTEOCALCIN CONCENTRATIONS IN GROWTH HORMONE DEFICIENCY. Salvador Castells, Kenneth Rebono, Fenella Greig, Seiichi Yasumura, Sam Smith. SUNY, Health Science Center at Brooklyn, NY, Depts. of Pediatrics and Physiology. (Abstract 430).
2. 2:15 FETAL AND NEONATAL PARATHYROID GLAND FUNCTION: USE OF THE CYTOCHEMICAL BIOASSAY TO DETERMINE CIRCULATING LEVELS OF BIOLOGICALLY ACTIVE PTH (bioPTH) IN NORMAL AND HYPOCALCEMIC NEONATES. Lewis P. Rubin, James T. Posillico, Allison I. Caplan, Edward M. Brown, Constantine S. Anast. Dept. of Pediatrics and Medicine, Harvard Medical School, Boston, MA. (Abstract 481).
3. 2:30 MOSAICISM OF SKIN 1,25 DIHYDROXYVITAMIN D3 (1,25) RECEPTORS IN THE ADULT AND NEONATAL SHEEP: INCREASED RECEPTOR DENSITY IN WOOLY SKIN. Richardus Ross, Jane Florer (Spon. by R.C. Tsang). Univ. of Cincinnati Med. Ctr., Dept. Pediatrics, Cincinnati, OH. (Abstract 480).
4. 2:45 BIOSYNTHETIC METHIONYL-HUMAN GROWTH (BMHGH) TREATMENT AFFECTS IMMUNE FUNCTIONS (IF) IN GROWTH HORMONE-DEFICIENT CHILDREN. Robert Rapaport, Bruce Petersen, Kathryn A. Skuza, Melinda Heim, Steven Goldstein (Spon. by F. Behrle). UMD-New Jersey Medical School, Children's Hospital of New Jersey, Dept. of Pediatrics, Newark, NJ; Eli Lilly & Co., Indianapolis, IN. (Abstract 474).
5. 3:00 HUMAN GROWTH HORMONE VARIANT (hGH-B) PROMOTES GROWTH IN TRANSGENIC MICE. Sandra L. Blethen, Richard F. Selden, Fred I. Chasalow, Thomas E. Wagner, Jeung S. Yun, Howard M. Goodman. Sch. of Med., SUNY Stony Brook, Schneider Children's Hosp. of LIJMC, Dept. of Peds., New Hyde Park, NY, Harvard Medical School Mass. General Hosp., Dept. of Mol. Biol., Boston., Ohio Univ., Athens, OH. (Abstract 425).
6. 3:15 GROWTH HORMONE (GH) INJECTIONS DIRECTLY INTO AN EPHIPHYSEAL PLATE (EP) FAIL TO STIMULATE LINEAR GROWTH IN THE RHESUS MONKEY (RM). Saul Malozowski, Manuela Caruso-Nicoletti, Son G. Ren, Robert Udelsman, Lynn Loriaux, Fernando Cassorla. Deb, NICHD, NIH, Bethesda, MD. (Abstract 459).
7. 3:30 LACK OF METABOLIC EFFECT OF GROWTH HORMONE (GH) 36 HOURS AFTER INJECTION. Martin Press, Sonia Caprio, Morey Haymond, William Tamborlane. Depts. of Peds, Yale Univ., New Haven, CT & Mayo Clinic, Rochester, MI. (Abstract 471).

8. 3:45 VASOPRESSIN mRNA IN THE SUPRAOPTIC AND SUPRACHIASMATIC NUCLEI: APPEARANCE AND CIRCADIAN REGULATION DURING DEVELOPMENT. Steven M. Reppert, George R. Uhl. Children's and Neurology Services and Howard Hughes Medical Institute, Massachusetts General Hospital and Harvard Medical School, Boston, MA. (Abstract 475).
9. 4:00 ARGININE VASOPRESSIN (AVP): A MECHANISM FOR "STRESS-INDUCED" ACTH SECRETION IN THE FETUS. Daniel J. Faucher, John C. Porter, Charles R. Rosenfeld. Depts. Pediat., Ob-Gyn, Physiol., Univ. Texas, Southwestern Med. Sch., Dallas, TX. (Abstract 440).
10. 4:15 PHARMACOKINETICS OF T3 AND T4 AFTER ACUTE THYROXINE OVERDOSE: EFFECT OF PTU AND IOPANOIC ACID. Peter G. Lacouture, William J. Lewander, Enrique Silva, Frederick H. Lovejoy. Harvard Med. Sch. Children's Hosp., Dept. of Med., Boston, MA. (Abstract 453).
11. 4:30 PRELIMINARY REPORT ON PATIENTS WITH INFANTILE HYPOTHYROIDISM AFTER THE THIRD GRADE. N.E. Cong. Hypothyroidism Collaborative, Dartmouth Med. Sch. Dept. Mat/Child Health. (Abstract 421).
12. 4:45 EVOKED POTENTIALS IN NEWBORNS WITH CONGENITAL HYPOTHYROIDISM. Gail E. Richards, Karyl A. Norcross, Anita Cavallo (Spon. by Bruce S. Keenan). Dept. of Pediatrics and Neurology, Univ. of Texas Medical Branch, Galveston, TX. (Abstract 476).
13. 5:00 USEFULNESS OF THYROTROPIN BINDING INHIBITORY IMMUNO-GLOBULIN (TBII) MEASUREMENT IN CONGENITAL HYPOTHYROIDISM. Dorothy I. Shulman, Jack A. Strzelecki, Barry B. Bercu, Allen W. Root. Univ. of South Florida Coll. of Med., All Children's Hosp., Dept. of Pediatrics, St. Petersburg, FL. (Abstract 484).
14. 5:15 FAMILIAL RESISTANCE TO THYROID HORMONE PRESENTING AS NEONATAL THYROTOXICOSIS. Anjali Malkani, Danilo Escoto, Allen W. Root, Barry B. Bercu. Univ. of South Florida Coll. of Med., All Children's Hosp., Dept. of Peds. St. Petersburg, FL. (Abstract 458).

#### SUBSPECIALTY PLATFORM SESSION

##### GASTROENTEROLOGY AND NUTRITION II

Wednesday, April 29, 1987; 2:00 P.M. - 5:30 P.M.

EMBASSY WEST

(Embassy/Magnolia Center)

Moderators: Wallace A. Gleason and M. Michael Thaler

1. 2:00 HORMONAL REGULATION OF LIVER PLASMA MEMBRANE PROTEIN EXPRESSION DURING DEVELOPMENT. Yoram Bujanover, Sergio Ammari, Emanuel Lebenthal, James Petell. State Univ. of NY, Depts. of Pediatrics and Biological Sciences, Buffalo, NY. (Abstract 548).
2. 2:15 INFLUENZA VIRUS ALTERS HEPATIC MITOCHONDRIAL LIPIDS IN A MOUSE MODEL OF REYE'S SYNDROME. Saroj Larroya, Kathleen B. Schwarz (Spon. by T. Aceto, Jr.). St. Louis Univ. Medical Ctr., Cardinal Glennon Children's Hosp., Dept. of Pediatrics, St. Louis, MO. (Abstract 588).

3. 2:30 TAURINE TRANSPORT BY RAT JEJUNAL BRUSH BORDER MEMBRANE (BBM) VESICLES. John A. Barnard, Steve Thaxter, Fayez K. Ghishan. Depts. of Pediatrics, Univ. of South Alabama Medical Ctr., Mobile, AL and Vanderbilt Univ. Hosp., Nashville, TN. (Abstract 541).
4. 2:45 THE KINETICS OF NA<sup>+</sup>/H<sup>+</sup> EXCHANGE BY BASOLATERAL PLASMA MEMBRANE VESICLES FROM NEONATAL RAT LIVER. Frederick J. Suchy, Anita L. Goodrich. Children's Hospital Research Foundation, Cincinnati, OH. (Abstract 631).
5. 3:00 ISOLATION OF THE ACTIVATOR (A) OF BILIRUBIN GLUCURONYL TRANSFERASE (BGt) FROM NORMAL (JJ) AND HOMOZYGOUS (jj) GUNN RATS. Gerard B. Odell, William Mogilevsky. Univ. of Wisconsin, School of Medicine, Dept. of Pediatrics, Madison, WI. (Abstract 602).
6. 3:15 BREAST MILK JAUNDICE REVISITED: NO ROLE FOR BETA-GLUCURONIDASE OF "UNSTIMULATED LIPASE". Lois M. Freed, David Moscioni, Margit Hamosh, Lawrence M. Gartner, Paul Hamosh (Spon. by Pedro A. Jose). Georgetown Univ. Medical Ctr., Washington, DC; Wyler Children's Hosp., Univ. of Chicago, Chicago, IL. (Abstract 562).
7. 3:30 SERUM BILIRUBIN FRACTIONS IN CHOLESTATIC RATS TREATED WITH TINE PROTOPORPHYRIN. Sharon Felber, Philip Rosenthal, Donaby Henton (Spon. by Robert McAllister). Univ. of So. Cal. School of Medicine & Child. Hosp. of Los Angeles, Dept. of Peds., Los Angeles, CA. (Abstract 560).
8. 3:45 TIN-PROTOPORPHYRIN DECREASES BILIRUBIN PRODUCTION AND HYPER-BILIRUBINEMIA IN OBSTRUCTIVE JAUNDICE. James J. McMillan, Hendrik J. Vreman, David K. Stevenson. Stanford Univ. School of Medicine, Dept. of Pediatrics, Stanford, CA. (Abstract 597).
9. 4:00 CHOLESTATIC EFFECTS OF ALUMINUM IN RATS. Gordon L. Klein, Melvin B. Heyman, Thomas C. Lee, Allen C. Alfrey. City of Hope Med. Ctr., Div. Peds., Duarte, CA, U. Calif. Sch. Med., Dept. Peds., San Francisco, VA Med. Ctr. Univ. Colorado Sch. Med., Neph. Sect., Denver, CO. (Abstract 585).
10. 4:15 COLONIC INTESTINAL ANAPHYLAXIS: IN VIVO AND IN VITRO TRANSPORT STUDIES. Mark K. Patrick, David Forbes, Mary H. Perdue, Andre Buret, D. Grant Gall. Intestinal Disease Research Unit, Univ. of Calgary, Alberta, Canada. (Abstract 606).
11. 4:30 AUGMENTATION OF POST-RESECTION MUCOSAL HYPERPLASIA BY LINOLEIC ACID FEEDING. Michael H. Hart, Jung H. Y. Park, Carter J. Grandjean, Steve H. Erdman, Jon A. Vanderhoof. Univ. of Nebraska College of Medicine, Dept. of Pediatrics, Omaha, NE. (Abstract 576).
12. 4:45 MECHANISMS OF INTESTINAL IMMUNITY TO ROTAVIRUS ENTERITIS: CHARACTERISTICS OF PERSISTENT INFECTION IN SEVERE COMBINED IMMUNODEFICIENT (SCID) MICE. M. Riepenhoff-Talty, T. Dharakul, I. Uhnnoo, P. Chegas, H. Barrett, P.L. Orga. SUNY at Buffalo, Depts. of Pediatrics and Microbiology, Children's Hosp., Buffalo, NY; Univ. Hosp., Div. Infect. Dis., Uppsala, Sweden. (Abstract 615).

13. 5:00 IMMUNOGENICITY OF CAMPYLOBACTER PYLORIDES (CP) OUTER MEMBRANE PROTEINS. Steven J. Czinn, Vera F. Hupertz, Howard Carr, Pauline Labrozzi, Stephen C. Aronoff (Spon. by William T. Speck). Case Western Reserve Univ. School of Medicine, Rainbow Babies and Children's Hosp., Dept. of Pediatrics, Cleveland, OH. (Abstract 557).
14. 5:15 EFFECT OF MALNUTRITION ON ILEAL RESPONSE TO YERSINIA ENTEROCOLITICA (Y.E.) ENTERITIS. J. Decker Butzner, D. Grant Gall. Univ. of Calgary, G.I. Research Unit, Calgary, Alberta, Canada. (Abstract 551).

**SUBSPECIALTY PLATFORM SESSION**

**GENETICS II**

Wednesday, April 29, 1987; 2:00 P.M. - 5:30 P.M.

**MAGNOLIA C**

(Embassy/Magnolia Center)

**Moderators: Haig Kazazian and John Phillips III**

1. 2:00 PRENATAL DIAGNOSIS OF CYSTIC FIBROSIS (CF) USING LINKED DNA MARKERS AND MICROVILLAR INTESTINAL ENZYME ANALYSIS. J. Edward Spence, Gregory J. Buffone, Susan D. Fernbach, Martha R. Curry, William E. O'Brien, Arthur L. Beaudet. Howard Hughes Med. Inst. and Baylor Col. Med., Inst. for Molecular Genetics and Depts. of Pediatrics and Pathology, Houston, TX. (Abstract 725).
2. 2:15 HEMOPHILIA A: EXPERIENCE WITH PRENATAL DIAGNOSIS AND CARRIER DETECTION USING DNA ANALYSIS. D.G. Phillips, S.E. Antonarakis, H.H. Kazazian, Jr. The Johns Hopkins Univ. Sch. Medicine, Dept. Pediatrics, Baltimore, MD. (Abstract 719).
3. 2:30 HEMOPHILIA A: RECURRENT MUTATIONS AND AN UNUSUAL DELETION. H. Youssoufian, A. Patel, D. Phillips, H. Kazazian, S.E. Antonarakis. Johns Hopkins Univ. Sch. of Med., Dept. Pediatrics, Baltimore, MD. (Abstract 734).
4. 2:45 MOLECULAR ANALYSIS OF THE STEROIDOGENIC 11-beta-HYDROXYLASE ENZYME. Streamson C. Chua, Jr., Maria I. New, Perrin C. White. Cornell Univ. Medical College, Div. of Pediatric Endocrinology, New York, NY. (Abstract 694).
5. 3:00 cDNA AND GENOMIC CLONES FOR HUMAN PLATELET GLYCOPROTEIN IIB (GPIIb). Randy A. Heidenreich, Elias Schwartz, Saul Surrey, Joel Bennett, Paul LaRocco, Robin Eisman, Mortimer Poncz. Univ. of PA School of Medicine, and the Children's Hospital of Philadelphia, PA. (Abstract 702).

WEDNESDAY



6. 3:15 ORNITHINE AMINOTRANSFERASE (OAT): EVIDENCE FOR A DISPERSED GENE FAMILY WITH MEMBER(S) LOCALIZED TO Xp11.1 - Xp21.1. Grant Mitchell, David Valle, Maureen Suchanek, Gary Steel, Lawrence Brody, James Looney, Hunt Willard. Johns Hopkins Univ. School of Med., Dept. of Peds., Baltimore and Dept. of Med. Genetics, Univ. of Toronto, Canada. (Abstract 714).
7. 3:30 ABNORMAL TAQ I SITE IN THE THIRD EXON OF THE APOA1 GENE IN A FAMILY WITH LOW APOA1 LEVELS AND PREMATURE CORONARY ARTERY DISEASE. J. A. Ladas, P.O. Kwiterovich, H. Smith, S.K. Karathanasis, S.E. Antonarakis. The Johns Hopkins Univ. Sch. Medicine, Dept. Pediatrics, Baltimore, Harvard Medical School, Dept. Cardiology, Boston, MA. (Abstract 707).
8. 3:45 A RECOMBINANT CHROMOSOME 9 DERIVED FROM A MATERNAL PARACENTRIC INVERSION: CYTOGENETICS, INTERPHASE NUCLEAR PROJECTIONS, AND IN SITU HYBRIDIZATION USING CENTROMERE AND PARACENTOMERE PROBES. Maria J. Worsham, Dorothy A. Miller, V. Ramesh Babu, Lester Weiss, Daniel L. Van Dyke. Medical Genetics and Birth Defects Center, Henry Ford Hospital and Molecular Biology and Genetics, Wayne State Univ., Detroit, MI. (Abstract 733).
9. 4:00 A NOVEL HUMAN PHOSPHOFRUCTOKINASE GENE MAPS TO CHROMOSOME 12. Patricia Ashley, David R. Cox. Univ. of California, Depts. of Pediatrics and Biochemistry/Biophysics, San Francisco, CA. (Abstract 689).
10. 4:15 EFFICIENT DETECTION OF Y CHROMOSOMAL DELETIONS, TRANSLOCATIONS AND MOSAICISM USING CHROMOSOME-SPECIFIC DNA PROBES. H. Ostrer (Spon. by E. Ayoub). Depts. of Pediatrics, Biochemistry and Molecular Biology, Univ. of Florida, Gainesville, FL. (Abstract 717).
11. 4:30 CYTOGENETIC AND MOLECULAR STUDIES OF NON-DISJUNCTION IN TRISOMY 13. Terry J. Hassold, Patricia A. Jacobs, Michael Sheldon (Spon. by Maria I. New). Cornell Univ. Medical College, New York Hospital, Dept. of Pediatrics, New York, NY. (Abstract 701).
12. 4:45 EVALUATION OF RETROVIRAL MEDIATED GENE TRANSFER BY IN SITU HYBRIDIZATION. Robert C. Moen, R. Michael Blaese, W. French Anderson. NIH, Bethesda, MD. (Abstract 715).
13. 5:00 GENE TRANSFER INTO PRIMARY HEPATOCYTES FOR SOMATIC GENE THERAPY. Fred D. Ledley, Gretchen Darlington, Tina Hahn, Savio L.C. Woo (Spon. by Arthur Beaudet). Howard Hughes Medical Institute, Dept. of Cell Biology, Baylor College of Medicine, Houston, TX. (Abstract 708).
14. 5:15 FIRST TRIMESTER MATERNAL SERUM ALPHA-FETOPROTEIN (MSAFP) SCREENING FOR CHROMOSOME DEFECTS. Aubrey Milunsky, Jack R. Wands, Bruno Brambati. Boston Univ. Sch. Med., Ctr. for Human Genetics, MA, Gen. Hosp., Div. Gastroenterol., Dept. Med., Boston & Dept. Obstet. & Gynecol., Univ. of Milan, Italy. (Abstract 713).

SUBSPECIALTY PLATFORM SESSION

HEMATOLOGY AND ONCOLOGY II

Wednesday, April 29, 1987; 2:00 P.M. - 5:30 P.M.

MAGNOLIA B

(Embassy/Magnolia Center)

Moderators: John Falletta and Philip Pizzo

1. 2:00 LYMPHOKINE-ACTIVATED KILLER (LAK) CELLS LYSIS OF NORMAL AND NEOPLASTIC CELLS EXPRESSING TRANSFERRIN RECEPTORS (TR). Gita V. Massey, Thalachallour Mohanakumar (Spon. by Harold M. Maurer). Medical College of Virginia, Children's Medical Center, Richmond, VA. (Abstract 770).
2. 2:15 CONVENTIONAL VERSUS SPECIAL NEUROBLASTOMA (NB): FAVORABLE PROGNOSIS CORRELATES WITH STROMAL DIFFERENTIATION. Stephen Qualman, Chisa Aoyama, Hiroyuki Shimada, Helen Chan, Charles Smith, Jane Chatten (Spon. by William Zipf). Dept. Path., Children's Hospital, Columbus, OH; Depts. Ped. Hem/Onc and Path., The Hospital for Sick Children, Toronto; Dept. Path., The Children's Hospital of Philadelphia, PA. (Abstract 788).
3. 2:30 EFFECT OF MAINTENANCE CHEMOTHERAPY (C) FOR ACUTE LYMPHOBLASTIC LEUKEMIA (ALL) ON INTERLEUKIN-2 (IL-2) PRODUCTION, RESPONSE AND RECEPTOR EXPRESSION. Michael S. Borzy, D.L. Ridgway, C.A. Parkman-Newton, M.T. Gregg (Spon. by R.C. Neerhout). Oregon Health Sciences Univ., Dept. of Pediatrics, Portland, OR. (Abstract 738).
4. 2:45 MEMORY FUNCTION OF CHILDREN WITH ACUTE LYMPHOCYTIC LEUKEMIA (ALL) WHO RECEIVED CNS PROPHYLAXIS (Px) WITH OR WITHOUT 18 Gy CRANIAL IRRADIATION (CrRT). Abbey Wasserman, Raymond Mulhern, Diane Fairclough, Judith Ochs (Spon. by Walter T. Hughes). St. Jude Children's Research Hosp., Memphis, TN. (Abstract 803).
5. 3:00 TREATMENT OF HISTIOCYTOSIS-X WITH SUPPRESSIN A: RESULTS FROM A RANDOMIZED, DOUBLE-BLIND, PLACEBO-CONTROLLED STUDY. Michael Osband, Chandrakant Panse, Philip Lavin. Boston Univ. School of Medicine and Boston City Hospital, Dept. of Pediatrics, and Harvard Medical School, Dept. of Surgery, Boston, MA. (Abstract 783).
6. 3:15 RECYCLING OF RETICULOENDOTHELIAL IRON IN VIVO IN THE ABSENCE OF APOTRANSFERRIN. Jamie E. Lamb, Catherine M. Craven, John H. Ward, James P. Kushner, Jerry Kaplan, (Spon. by Harry Hill). Univ. of Utah School of Medicine, Univ. Hospital, Dept. of Pathology and Internal Medicine, Salt Lake City, UT. (Abstract 764).
7. 3:30 THE POTENTIAL OF TIN-PROTOPORPHYRIN AS AN ADJUVANT THERAPY FOR IRON OVERLOAD IN THALASSEMIA MAJOR. A. Solomon, R.W. Grady, H.H. Liem, U. Muller-Eberhard (Spon. by M.W. Hilgartner). Cornell Univ. Medical Center, Division of Pediatric Hematology/Oncology, New York, NY. (Abstract 797).

8. 3:45 A MORE ECONOMICAL AND EFFECTIVE BLOOD PRODUCT FOR CHRONIC TRANSFUSIONS. William Tilton, Carol Seaman, Vijayalaxmi Malavadi, Sergio Piomelli. Columbia Univ., College of Physicians and Surgeons, Division of Pediatric Hematology-Oncology, and the NY Blood Center, NY, NY. (Abstract 799).
9. 4:00 2,3-DPG LEVELS IN FETAL ERYTHROCYTES: EARLY DECREASES WITH ACIDOSIS. Elizabeth H. Danish, Linda P. Slater, Cynthia R. Moore, (Spon. by Satish C. Kalhan). CWRU School of Medicine, Cleveland Metropolitan General Hospital, Dept. of Pediatrics, Cleveland, OH. (Abstract 745).
10. 4:15 ERYTHROCYTE ADHERENCE TO ENDOTHELIUM IS ASSOCIATED WITH LOSS OF SPLENIC FUNCTION. E.F. Grabowski, K. McKenney, J. Sullivan, (Spon. by M.W. Hilgartner). Cornell Univ. Medical Center-NY Hospital, Division of Pediatric Hematology/Oncology, New York, NY. (Abstract 754).
11. 4:30 EVALUATION OF HEMOGLOBIN SATURATION DURING SLEEP IN CHILDREN WITH SICKLE CELL DISEASE. Beatrice A. Files, Beatrice C. Lampkin, Karen A. Kalinyak, Jeffrey S. Lobel, Debbie Brocker, Timothy D. Guilfoile. Children's Hospital Medical Center, Cincinnati, OH. (Abstract 751).
12. 4:45 EVALUATION OF THE NEED TO IMMUNIZE CHILDREN WITH SICKLE CELL DISEASE WITH HEMOPHILUS INFLUENZAE TYPE B (HIB) VACCINE. Genevieve A. Losonsky, Ruth E. Luddy, Allen D. Schwarz, John B. Robbins. Univ. of Maryland, Dept. of Pediatrics, Baltimore, and the National Institutes of Health, Bethesda, MD. (Abstract 767).
13. 5:00 IMPROVED SURVIVAL IN BETA THALASSEMIA MAJOR. P.J. Giardina, K. Ehlers, M. Lesser, M. Connelly, D. Weinstein, E. Jew, M.W. Hilgartner. Cornell Univ. Med. Center-NY Hospital, Div. Ped. Hematology/Oncology, New York, NY; North Shore Univ. Hosp., Div. Biostatistics, Great Neck, NY. (Abstract 752).
14. 5:15 FAVORABLE PROGNOSIS FOR CHILDREN WITH APLASTIC ANEMIA TREATED WITH IMMUNOSUPPRESSIVE THERAPY. Eric J. Werner, Robert D. Stout, Leticia P. Valdez, Richard E. Harris (Spon. by Maurice D. Kogut). Depts. of Ped. Wright State Univ. Sch. Med., Children's Med. Ctr., Dayton and Univ. of Cincinnati Sch. Med., Children's Hospital Med. Ctr., Cincinnati, OH. (Abstract 804).

SUBSPECIALTY PLATFORM SESSION

NEONATAL EPIDEMIOLOGY AND FOLLOW-UP  
Wednesday, April 29, 1987; 2:00 P.M. - 5:30 P.M.  
NORTH BALLROOM  
(Hotel Convention Center)

Moderators: Roberta Ballard and Ernest Kraybill

1. 2:00 RDS EXPLAINS SEX BUT NOT RACE DIFFERENCES IN BIRTH WEIGHT-SPECIFIC MORTALITY. James W. Collins, Jr., Richard J. David, John J. Boehm (Spon. by Carl E. Hunt). Northwestern Univ. Medical School, Dept. of Pediatrics, Chicago, IL. (Abstract 1316).
2. 2:15 HIGH PERINATAL MORTALITY IN TWINS. Vivek Ghai, Ann Winegar, Larry Seifert, Dharmapuri Vidyasagar. Univ. of Illinois Medical Center, Dept. of Pediatrics, CFHSR, Chicago, IL. (Abstract 1330).
3. 2:30 PERINATAL ASPHYXIA (PA) IN INFANTS OF DIABETIC MOTHERS (IDMS) IS ASSOCIATED WITH MATERNAL VASCULOPATHY AND HYPERGLYCEMIA IN LABOR. F. Mimouni, M. Miodovnik, R.C. Tsang, J. Holroyde, T.A. Siddiqi. Univ. of Cincinnati, Dept. of Pediatrics, Cincinnati, OH. (Abstract 1359).
4. 2:45 PRESCHOOL BEHAVIOR PROBLEMS AND NEONATAL MEDICAL COURSE IN PRETERM INFANTS. Patricia O. Towle, Martin S. Katzenstein, Debra L. Hauck, Mary E. Bach, Harry S. Dweck, Daniel B. Crimmins. N.Y. Med. Coll., Dept. of Peds., Div. of Neonatal-Perinatal Med., West Med. Ctr., Valhalla, NY. (Abstract 1384).
5. 3:00 SEVERE BPD IN VLBW INFANTS (LESS THAN OR EQUAL TO 1250 gm) - EFFECT ON OUTCOME DURING FIRST 4 YEARS. D. Raval, R. Krishnaswamy, T. Henek, L. Bagnuolo, D. McLenan, A. Wilks, R.S. Pildes. Div. of Neonatology, Cook County Hospital, Chicago, IL. (Abstract 1370).
6. 3:15 PERSISTENT VISUAL MOTOR PROBLEMS AMONG NORMAL INTELLIGENCE VLBW CHILDREN (LESS THAN 1.5Kg) AT 9 YEARS. N. Klein, M. Hack, N. Breslau, D. Aram, A.A. Fanaroff. Cleveland State Univ. CWRU, Depts. of Spec. Ed. & Pediatrics, Cleveland, OH. (Abstract 1346).
7. 3:30 PREDICTING NEURODEVELOPMENTAL OUTCOME IN INFANTS WITH SEVERE PERINATAL ASPHYXIA. R. Piecuch, R. Clyman, M. Behle, M. Lang, R. Ballard. Dept. of Pediatrics, Mt. Zion Hospital, San Francisco, CA. (Abstract 1368).
8. 3:45 EARLY DEVELOPMENTAL OUTCOME WITH CAVITARY WHITE MATTER NECROSIS (WMN). Yvonne E. Vaucher, Raul F. Bejar, Barbara L. Jones, Kristin Gist, T. Allen Merritt. Univ. of California, San Diego, Dept. of Peds., and Children's Hosp. and Health Ctr., San Diego, CA. (Abstract 1389).

9. 4:00 CORRELATION OF MAGNETIC RESONANCE (MR) IMAGING AND ULTRASOUND (US) IN EXAMINATION OF THE NEONATAL BRAIN. Susan E. Keeney, Craig B. McArdle, Snehal D. Mehta, C. Joan Richardson, Nabil F. Maklad, Keith Hayden, Madan V. Kulkarni, Eugene W. Adcock. Univ. of Texas Health Sci. Ctr., and Univ. of Texas Med. Branch, Depts. of Pediatrics and Radiology, Houston and Galveston, TX. (Abstract 1344).
10. 4:15 UMBILICAL ARTERY CATHETER (UAC) PLACEMENT: A RISK FACTOR FOR SUBEPENDYMAL/INTRAVENTRICULAR HEMORRHAGE (SEH/IVH). James B. Schick, Arne L. Beck, Hema N. DeSilva (Spon. by John R. Raye). Saint Francis Hospital and Medical Center, Dept. of Pediatrics, Hartford, CT. (Abstract 1373).
11. 4:30 HUMAN MILK CONTAMINATION WITH NICOTINE AND COTININE. Stephen F. Piazza, Nancy J. Haley, David A. Clark, Salvatore J. Caravella, Caren Axelrad, Harry S. Dweck. NY Medical College, West Med. Center, Div. of Neon-Perin. Med., Dept. of Peds. and American Health Found., Div. of Nutrition & Endocrinology, Valhalla, NY. (Abstract 1366).
12. 4:45 HIGH FREQUENCY JET VENTILATION (HFJV): IMPACT ON OUTCOME. S. Friedman, J. Bernbaum, J.A. D'Agostino, M. Hoffman-Williamson, A.R. Spitzer (Spon. by W.W. Fox). Dept. of Pediatrics, Univ. of Penna. Sch. of Med., and The Children's Hospital of Philadelphia, Philadelphia, PA. (Abstract 1327).
13. 5:00 PROSPECTIVE NEURODEVELOPMENTAL OUTCOME OF INFANTS OF HIV SEROPOSITIVE MOTHERS AND THEIR CONTROLS. Joan Hittelman, Ann Willoughby, Hermann Mendez, Judith Silcott, Prerna Shah, Susan Holman, Leonard Glass, Bernard Bihari, James Goedert, Sheldon Landesman. SUNY Health Science Center, Peds., Brooklyn, NY and NIH. (Abstract 1340).
14. 5:15 EXTRACORPOREAL MEMBRANE OXYGENATION (ECMO): OUTCOME AT 1 YEAR OF AGE. Penny Glass, Marilea K. Miller (Spon. by Billie L. Short). George Washington Univ. School of Medicine, Children's Hospital National Medical Center, Dept. of Pediatrics, Washington, DC. (Abstract 1332).

**SUBSPECIALTY PLATFORM SESSION**

**NEONATAL INFECTIOUS DISEASES**

**Wednesday, April 29, 1987; 2:00 P.M. - 5:30 P.M.**

**SOUTH BALLROOM**

**(Hotel Convention Center)**

**Moderators: Carol J. Baker and Laura T. Gutman**

1. 2:00 PLASMID DEPENDENT TOXIN PRODUCTION BY GROUP B STREPTOCOCCUS TYPE Ic AND TYPE III. Hakan W. Sundell, Wendy Fish, Terilyn Perry-Marion, Peter Gettins, Carl G. Hellerqvist. Vanderbilt Univ. School of Medicine, Dept. Pediatrics and Biochem., Nashville, TN. (Abstract 1485).
2. 2:15 TRANSPOSON MUTAGENESIS OF GROUP B STREPTOCOCCUS beta HEMOLYSIN BIOSYNTHESIS. Jeffrey N. Weiser, Craig E. Rubens (Spon. by Christopher B. Wilson). Univ. of Washington, Child. Hosp. & Med. Ctr., Dept. of Peds., Seattle, WA. (Abstract 1487).
3. 2:30 ABSENCE OF DETECTABLE FIBRONECTIN (FN) BINDING SITES ON GROUP B STREPTOCOCCI (GBS). Karina M. Butler, Carol J. Baker, Craig E. Rubens, Morven S. Edwards. Depts. of Pediatrics, Baylor College of Medicine, Houston, and Univ. of Washington, Seattle, WA. (Abstract 1438).
4. 2:45 DEVELOPMENT OF IgM ANTIBODY TO GROUP B STREPTOCOCCUS (GBS) TYPE III IN HUMAN INFANTS. Kenneth M. Boyer, Cynthia K. Papierniak, Melvin E. Klegerman, Mary E. Rauen, Samuel P. Gotoff. Rush-Presbyterian-St. Luke's Med. Center, Dept. of Pediatrics, Chicago, IL. (Abstract 1436).
5. 3:00 FIBRONECTIN (FN) AND AGE-LIMITED SUSCEPTIBILITY TO TYPE III GROUP B STREPTOCOCCUS (III-GBS). Lori E.R. Patterson, Marcia A. Rench, Morven S. Edwards. Baylor College of Medicine, Dept. of Pediatrics, Houston, TX. (Abstract 1470).
6. 3:15 HIGH DOSE OF HUMAN INTRAVENOUS IMMUNOGLOBULIN (IVIG) MAY IMPAIR THERAPEUTIC BENEFIT OF PENICILLIN G (P) AGAINST EXPERIMENTAL GROUP B STREPTOCOCCAL (GBS) BACTEREMIA AND MENINGITIS. Kwang Sik Kim, Jane K. Hong. Children's Hospital of Los Angeles, Dept. of Pediatrics, Los Angeles, CA. (Abstract 1459).
7. 3:30 VALIDITY OF THE LATEX PARTICLE AGGLUTINATION (LA) TEST IN EARLY ONSET GROUP B STREPTOCOCCAL (EOGBS) DISEASE. S. Pyati, N. Jacobs, D. McLenan, G. Ghosh, R.S. Pildes, T. Rice. Cook County Hosp., Div. Neonatology, Chicago Med. School and the Univ. of Illinois, Chicago, IL. (Abstract 1473).
8. 3:45 VERTICAL TRANSMISSION OF UREAPLASMA UREALYTICUM IN PRETERM INFANTS. Pablo J. Sanchez, Joan A. Regan (Spon. by L. Stanley James). College of Physicians and Surgeons, Columbia Univ., Center for Women and Children, Dept. of Pediatrics, New York City, NY. (Abstract 1480).

9. 4:00 OCULAR PROPHYLAXIS FOR THE PREVENTION OF NEONATAL CHLAMYDIAL INFECTION: A REASSESSMENT. Margaret R. Hammerschlag, Cynthia Cummings, Patricia Roblin, Theresa Williams, Isaac Delke. SUNY-Health Science Center at Brooklyn, Depts. of Pediatrics, Medicine and OB/GYN, Brooklyn, NY. (Abstract 1454).
10. 4:15 RECOGNITION OF TREPONEMA PALLIDUM ANTIGENS BY IgM AND IgG ANTIBODIES IN CONGENITALLY INFECTED NEWBORNS AND THEIR MOTHERS. Simon R.M. Dobson, Robert E. Baughn, Cynthia B. Adams, Larry H. Taber. Baylor College of Medicine, Dept. of Pediatrics, and VA Medical Center, Houston, TX. (Abstract 1446).
11. 4:30 LISTERIA MONOCYTOGENES NEONATAL INFECTION: ROLE OF INTERFERON IN HOST DEFENCE MECHANISMS. Robert Bortolussi, Thomas Issekutz, Susan Burbridge, Peter H. Van der Meide. Dalhousie Univ. Izaak Walton Killam Hospital for Children, Halifax, Canada. (Abstract 1435).
12. 4:45 PREVENTION OF INVASIVE E. COLI KI (ECKI) DISEASE IN NEONATAL RATS WITH HYPERIMMUNE GLOBULIN AGAINST MANNOSE-SENSITIVE (MS) PILI. Nicholas Guerina, Karen Woodson, Dina Hirshfeld, Donald A. Goldmann. Harvard Medical School, Children's Hospital, Division of Infectious Diseases, Boston, MA. (Abstract 1452).
13. 5:00 A PROSPECTIVE STUDY OF HUMAN IMMUNODEFICIENCY VIRUS (HIV) INFECTION IN PREGNANCY. Howard Minkoff, Michael Cabbad, Hermann Mendez, Susan Holman, Bernard Bihari, Ann Willoughby, James Goedert, Sheldon Landesman (Spon. by Laurence Finberg). SUNY Health Science Center, Brooklyn, NY & National Cancer Inst. (Abstract 1467).
14. 5:15 EFFECTS OF HTLV III CONTAMINATED BLOOD TRANSFUSION IN PREMATURE NEONATES. Warren Rosenfeld, Luzminda Concepcion, Haesoon Lee, Emma Torrijos, William De la Paz (Spon. by Ramesh Jhaveri). SUNY/Health Science Center at Brooklyn & Interfaith Medical Center, Depts. of Pediatrics & Neonatology, Brooklyn, NY. (Abstract 1478).

#### SUBSPECIALTY PLATFORM SESSION

##### NEONATAL PULMONOLOGY

Wednesday, April 29, 1987; 2:00 P.M. - 5:30 P.M.

MARINA BALLROOM 2 & 3

(Hotel Convention Center)

Moderators: Jane E. Brazy and Anthony J. Corbet

1. 2:00 IS ENDOTRACHEAL INTUBATION AND LAVAGE REQUIRED IN MECONIUM-STAINED NEONATES? N. Linder, J.V. Aranda, M. Tzur, I. Mathot, A. Mandelberg, I. Tamir. Depts. Pediatr. & Hadassah Univ. Hosp. Ein Kerem, Jerusalem Israel, and McGill Univ-Montreal Children's Hospital, Montreal, Canada. (Abstract 1709).
2. 2:15 A CLINICAL TRIAL OF VITAMIN A SUPPLEMENTATION IN INFANTS SUSCEPTIBLE TO BRONCHOPULMONARY DYSPLASIA (BPD). Javant P. Shenai, Kathleen A. Kennedy, Frank Chytil, Mildred T. Stahlman. Vanderbilt Univ. Sch. of Med., Dept. of Peds. and Biochemistry, Nashville, TN. (Abstract 1754).

3. 2:30 TRACHEO-BRONCHOMALACIA (T/B) IN PATIENTS WITH BRONCHOPULMONARY DYSPLASIA (BPD). Michael M. McCubbin, Edward E. Frey, Jeff S. Wagener, Rebecca E. Tribby, Wilbur L. Smith (Spon. by Miles Weinberger). The Univ. of Iowa College of Medicine, Univ. of Iowa Hospitals and Clinics, Dept. of Pediatrics and Radiology, Iowa City, IA. (Abstract 1717).
4. 2:45 OXYGEN DELIVERY TO INFANTS VIA NASAL CANNULA. Nestor E. Vain, Deborah P. Stevens, Luis M. Prudent, Margaret M. Weeter, M. Jeffrey Maisels. Penn. State Univ. Coll. Med., M.S. Hershey Med. Ctr., Dept. of Pediatrics, Hershey, PA. (Abstract 1766).
5. 3:00 QUANTITATIVE IDENTIFICATION OF LUNG OVERDISTENTION FROM PRESSURE VOLUME CURVES. Joel B. Fisher, Mark C. Mammel, J. Michael Coleman, Stephen J. Boros. Children's Hosp. of St. Paul, and Univ. of Minnesota, Dept. of Ped., Minneapolis, MN. (Abstract 1666).
6. 3:15 DIAPHRAGMATIC MOTION IN NEWBORNS DURING SPONTANEOUS BREATHING AND PARALYSIS WITH MECHANICAL VENTILATION. Ian A. Laing, Rita L. Teele, Ann R. Stark. Harvard Medical Sch., Child. Hosp., Dept. of Ped., Boston, MA. (Abstract 1707).
7. 3:30 EFFECT OF COMBINATION MATERNAL HORMONE TREATMENTS ON LUNG FUNCTION OF PRETERM RABBITS. Machiko Ikegami, Alan H. Jobe, Andrea Pettenazzo, Steven R. Seidner, David D. Berry, Lynda D. Ruffini. UCLA Sch. of Med., Harbor-UCLA Med. Center, Dept. of Ped., Torrance, CA. (Abstract 1689).
8. 3:45 SURFACTANT PROTEIN OF 18,000 DALTON (SP 18) IN HUMAN FETAL LUNG. Philip L. Ballard, Samuel Hawgood, Gail A. Wellenstein, Helen G. Liley, Bradley J. Benson, R. Tyler White. Dept. Ped. and Cardiovasc. Res. Inst., Univ. Calif. San Francisco, Mt Zion Hosp. San Francisco, & Cal. Biotech. Inc., Mountain View, CA. (Abstract 1613).
9. 4:00 P2Y-PURINOCEPTORS REGULATE SURFACTANT SECRETION FROM ISOLATED RAT ALVEOLAR TYPE II CELLS. Ward R. Rice, F.M. Singleton (Spon. by J. Whitsett). Univ. of Cincinnati Med. Center, Cincinnati, OH. (Abstract 1743).
10. 4:15 HISTAMINE REVERSES THE PULMONARY VASCULAR IMPEDANCE EFFECTS OF ALVEOLAR HYPOXIA. B.W. Goetzman, S.H. Bennett, J.M. Milstein. Division of Neonatology, Univ. of CA, Davis, CA. (Abstract 1674).
11. 4:30 SODIUM TRANSPORT DOES NOT DRIVE ABSORPTION OF FETAL LUNG FLUID AT BIRTH. Dennis W. Nielson (Spon. by Michael A. Simmons). University of Utah School of Medicine, Dept. of Pediatrics, Salt Lake City, UT. (Abstract 1725).
12. 4:45 CALCITONIN GENE-RELATED PEPTIDE (CGRP) IN PULMONARY NEUROENDOCRINE CELLS OF INFANTS WITH BRONCHOPULMONARY DYSPLASIA (BPD). Dana E. Johnson, Jane D. Wobken. Univ. of Minnesota Med. Sch., Univ. of Minneapolis, MN. (Abstract 1692).



13. 5:00 DIFFERENCES IN CO<sub>2</sub> THRESHOLD OF RESPIRATORY MUSCLES IN PRETERM INFANTS. W.A. Carlo, J.M. DiFiore, R.J. Martin. Case Western Reserve Univ., Rainbow Babies & Children's Hosp., Dept. Peds., Cleveland, OH. (Abstract 1631).
14. 5:15 THE VENTILATORY RESPONSE TO ENDOGENOUS CO<sub>2</sub> IN PRETERM INFANTS. Henrique Rigatto, Kim Kwiatkowski, Shabih U. Hasan, Don Cates. Univ. of Manitoba, Dept. of Pediatrics, Winnipeg, Manitoba, Canada (Abstract 1746).