

SUBSPECIALTY PLATFORM SESSION

CARDIOLOGY I

Tuesday, April 28, 1987; 9:00 A.M. - 12:30 P.M.

MARINA BALLROOM 1

(Hotel Convention Center)

Moderators: David J. Fisher and Abraham Rudolph

1. 9:00 SEPARATION OF CARDIAC SARCOPLASMIC RETICULUM FROM FETAL AND MATERNAL SHEEP INTO FREE AND JUNCTIONAL SUBPOPULATIONS. Lynn Mahony, Michael Moulton (Spon. by J. Warshaw). Univ. Texas Health Science Center, Dallas, Dept. of Pediatrics, Dallas, TX. (Abstract 115).
2. 9:15 MYOSIN ISOZYMES DURING THE REGRESSION OF CARDIAC HYPERTROPHY. Anthony F. Cutilletta, Susan Noftz. Loyola Univ., Stritch School of Medicine, Dept. of Pediatrics, Maywood, IL. (Abstract 94).
3. 9:30 VENTRICULAR FUNCTIONAL RESERVE IN THE GROWTH ACCELERATED CHICK HEART: STAGES 21 TO 29. Edward B. Clark, Norman Hu, Kenneth G. Zahka. Johns Hopkins Univ. School of Medicine, Johns Hopkins Hospital, Dept. of Pediatrics, Baltimore, MD. (Abstract 91).
4. 9:45 ALTERATIONS OF ENERGY METABOLISM IN HYPERTROPHIED HEARTS DURING ANOXIA: A P-31 NUCLEAR MAGNETIC RESONANCE STUDY. Mark D. Jacobstein, Pierre G. Carlier, Mark H. Cohen, Majeed Bhat, Thomas A. Gerken (Spon. by Jerome Liebman). CWRU Sch. of Med., Dept. of Pediatrics, Cleveland, OH. (Abstract 107).
5. 10:00 THE EFFECTS OF ISCHEMIC CONDITIONS (HYPOXIA AND GLUCOSE DEPRIVATION) ON CALCIUM REGULATION IN THE NEONATAL RAT MYOCARDIUM. Nicholas J. Lodge, Henry Gelband. Univ. of Miami School of Medicine, Dept. of Pediatrics, Miami, FL. (Abstract 113).
6. 10:15 ISCHEMIA IN THE DEVELOPING RABBIT MYOCARDIUM. Stanton B. Perry, Joanne S. Ingwall (Spon. by James E. Lock). Harvard Medical School, NMR Lab, Boston, MA. (Abstract 121).
7. 10:30 EXTRACELLULAR BODY FLUID VOLUMES IN CHRONICALLY HYPOXEMIC LAMBS. Michiel Dalinghaus, Alie M. Gerding, Jan H. Koers, Jan Willem C. Gratama, Jaap R. Kuipers (Spon. by Abraham M. Rudolph). Dept. of Pediatric Cardiology, Univ. Hospital, Groningen, The Netherlands. (Abstract 98).
8. 10:45 THE ROLE OF ATRIAL NATRIURETIC PEPTIDE (ANP) IN CONGENITAL HEART DISEASE. Alan L. Davis, David S. Goldstein, Stephen Shapiro, 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 99).

9. 11:00 NORMALIZATION OF PLASMA NOREPINEPHRINE FOLLOWING REPAIR OF INTRACARDIAC LEFT TO RIGHT SHUNTS. Robert D. Ross, Stephen R. Daniels, David C. Schwartz, David Hannon, Samuel Kaplan. Children's Hospital Medical Center and Univ. of Cincinnati, Cincinnati, OH. (Abstract 127).
10. 11:15 DOXORUBICINOL, THE METABOLITE OF DOXORUBUCIN, IS MORE CARDIOTOXIC THAN DOXORUBICIN. Robert J. Boucek, Jr., Edna M. Kunkel, Thomas P. Graham, Jr., Dean Brenner, Richard D. Olson. Vanderbilt Univ. Sch. of Med., Vanderbilt Univ. Med. Ctr., Dept. of Pediatrics, Nashville; Roswell Park Mem. Inst., Buffalo; VA Med. Ctr., Boise. (Abstract 89).
11. 11:30 REDUCED HEART LIPID PEROXIDATION IN DILATED CARDIOMYOPATHY. Daniela Lax, Shu-Lun Zhang, Ying Li, Lee Williams, James M. Berry, Joseph Elspenger, Nancy A. Staley, George R. Noren, Stanley Einzig. Univ. of Minnesota, Dept. of Pediatrics, Minneapolis, MN. (Abstract 112).
12. 11:45 ACETALDEHYDE INCREASES FREE IRON IN THE HEART: POSSIBLE MECHANISM IN ALCOHOL CARDIOMYOPATHY. Shu-Lun Zhang, Daniela Lax, Ying Li, Lee Williams, Nancy A. Staley, George R. Noren, Stanley Einzig. Univ. of Minnesota, Dept. of Pediatrics, Minneapolis, MN. (Abstract 148).
13. 12:00 NEWER CARDIOTONIC AGENTS -- BENEFICIAL EFFECTS ON NEWBORN MYOCARDIUM. Thomas S. Klitzner, Yehuda Shapir, Timothy L. Degner, Ross R. Ravin, William F. Friedman. Dept. of Pediatrics, UCLA Med. Ctr., Los Angeles, CA. (Abstract 109).
14. 12:15 MYOCARDIAL CONTRACTILE RESPONSES TO FORSKOLIN AND MILRINONE DURING POSTNATAL MATURATION. Michael Artman, James Wicke, Phillip A. Kithas, David B. Crump, Samuel J. Strada (Spon. by Robert C. Boerth). Univ. South Alabama College of Medicine, Depts. of Pediatrics and Pharmacology, Mobile, AL. (Abstract 78).

SUBSPECIALTY PLATFORM SESSION

DEVELOPMENTAL PHARMACOLOGY I

Tuesday, April 28, 1987; 9:00 A.M. - 12:30 P.M.

MARINA BALLROOM 4

(Hotel Convention Center)

Moderators: Dennis Bier and James F. Padbury

1. 9:00 EVIDENCE FOR VASODILATORY DA1 RECEPTORS IN THE PULMONARY VASCULAR BEDS OF RATS. Mark J. Polak, Gerald E. Gause, Sidney Cassin, Richard L. Bucciarelli, Willa H. Drummond. Univ. of Florida School of Medicine, Shand's Hospital, Depts. of Pediatrics and Physiology, Gainesville, FL. (Abstract 403).
2. 9:15 NALOXONE (Nal) POTENTIATES THE PLASMA CATECHOLAMINE (CA) RESPONSE TO ASPHYXIA IN THE FETUS. Alan B. Lewis, Mahvash Sadeghi. Univ. of Southern California School of Medicine, Children's Hospital of Los Angeles, Div. of Cardiology, Los Angeles, CA. (Abstract 386).
3. 9:30 REGIONAL VARIATION IN ARTERIAL RESPONSE TO NOREPINEPHRINE DURING FETAL (F) AND NEWBORN (N) LIFE. Kenneth T. Nakamura, Beth M. Alden, David G. Harrison, Nancy J. Rusch, Jean E. Robillard. Univ. of Iowa, Iowa City, IA; Univ. of Cincinnati, Cincinnati, OH. (Abstract 398).
4. 9:45 ALPHA1 AND ALPHA2 MEDIATED RENAL VASOCONSTRICTION IN FETAL (F) AND ADULT (A) SHEEP: ONTOGENY OF POST-JUNCTIONAL ALPHA ADRENOCEPTORS. G. Paul Matherne, Kenneth T. Nakamura, Oliva J. McWeeny, Beth M. Alden, Jean E. Robillard. Univ. of Iowa, Iowa City, IA. (Abstract 391).
5. 10:00 CARDIOVASCULAR RESPONSE TO ADENOSINE ANALOGS DIFFERS BETWEEN FETAL AND NEWBORN LAMBS. Paul L. Toubas, Roger E. Sheldon, Darin Sparkman, Thomas W. Seale (Spon. by Owen M. Rennert). Univ. Oklahoma, Dept. Pediatrics, Oklahoma City, OK. (Abstract 413).
6. 10:15 EFFECT OF INDOMETHACIN (Id) ON THE CEREBRAL BLOOD FLOW VELOCITY (CBFV) OF PREMATURE NEWBORNS (prem NB). N. Laudignon, S. Chemtob, H. Bard, J.V. Aranda. Dept. of Peds. and Pharmacology, McGill Univ. Montreal Children's and Ste Justine Hosp., Montreal, Canada. (Abstract 383).
7. 10:30 SYSTEMIC PRODUCTION OF VASODILATOR EICOSANOIDS IS NOT INCREASED IN INFANTS WITH SYMPTOMATIC PATENT DUCTUS ARTERIOSUS (SPDA) WHO FAIL INDOMETHACIN PROPHYLAXIS. James L. Haywood, Garret A. FitzGerald, Robert B. Cotton. Vanderbilt Univ. School of Medicine, Depts. of Pediatrics and Pharmacology, Nashville, TN. (Abstract 376).
8. 10:45 CAFFEINE AND THEOPHYLLINE METABOLISM IN OLDER PRETERM INFANTS. Carlos S. Duran, Cheston M. Berlin, Stephen A. Pearlman, Mary A. Wood. The Penn. State Univ. Coll. Med., MS Hershey Med. Ctr., Dept. Peds., Hershey, PA. (Abstract 368).

ABSTRACT

9. 11:00 ALTERATIONS IN THEOPHYLLINE (T) METABOLISM DURING THE FIRST YEAR OF LIFE. Donna M. Kraus, James H. Fischer, Susan A. Kecskes, Shirley J. Reitz, Tsu F. Yeh, Kristine McCulloch, Michael J. Cwik. Univ. of Illinois at Chicago, Univ. of Illinois and Cook County Hospitals, Depts. of Pharmacy Practice and Peds., Chicago, IL. (Abstract 380).
10. 11:15 TRANSCUTANEOUS SAMPLING OF THEOPHYLLINE AND CAFFEINE IN PRETERM INFANTS. M. Gail Murphy, Carl C. Peck, Dale P. Conner, Brenda J. Bolden, Laura Fox, Donna Rodden, Gerald B. Merenstein (Spon. by Itzhak Brook). Uniformed Servs. Univ., Beth., MD. and the Univ. of CO, Denver, CO. (Abstract 396).
11. 11:30 THE ADVANTAGE OF STABLE ISOTOPE LABELED THEOPHYLLINE FOR STEADY STATE KINETICS IN PREMATURE INFANTS. C. Dothey, K. King, S. Kaw, K.Y. Tserng. CWRU at Cleveland Metro. Gen. Hosp. and V.A. Hosp., Cleveland, OH; SUNY at Stony Brook, Schneider Children's Hosp., New Hyde Park, NY. (Abstract 367).
12. 11:45 VENTILATORY (VE) RESPONSE TO INTRAVENOUS BOLUS OF DOXAPRAM (DOX) IN NEWBORN LAMBS. Pierre W. Blanchard, Steven Hobbs, Jacob V. Aranda, Michel A. Bureau. McGill Univ.- Montreal Children's Hosp. Research Institute, Montreal, Canada. (Abstract 360).
13. 12:00 METABOLISM OF DOXAPRAM IN PREMATURE NEWBORNS. J.V. Aranda, A. Mandelberg, K. Beharry, J. Rex, O. Peleg, F. Eval. Depts. Pediatrics and Pharmacol., McGill Univ-Montreal Child. Hosp. Res. Inst., Montreal, Canada and Hadassah Univ-Mt. Scopus, Jerusalem, Israel. (Abstract 357).
14. 12:15 PHARMACOKINETICS AND RESPIRATORY PHARMACODYNAMICS OF IV SALBUTAMOL IN NEONATES WITH BRONCHOPULMONARY DYSPLASIA. Gideon Koren, Harish Kirpalani, Barbara Schmidt, Rosa Santos, Tan Yok Kwang, Steven Soldin, Sandra England, Charles A. Bryan. Hospital for Sick Children, Divisions of Neonatology and Clin. Pharmacology, Toronto, Ontario. (Abstract 378).

SUBSPECIALTY PLATFORM SESSION

ENDOCRINOLOGY I

Tuesday, April 28, 1987; 9:00 A.M. - 12:30 P.M.

EMBASSY EAST

(Embassy/Magnolia Center)

Moderators: Howard Kulin and Dennis M. Styne

1. 9:00 NEUROENDOCRINE CHANGES WITH D His GnRH ANALOGUE (D-His-A). T.M. Mendes, C.M. Foster, N.J. Hopwood, I.Z. Beitins, R.P. Kelch. Univ. of Michigan, Dept. of Peds., Ann Arbor, MI. (Abstract 464).
2. 9:15 LIPOPROTEIN RESPONSE TO 5 alpha DIHYDROTESTOSTERONE (DHT) AND TESTOSTERONE (T) IN MACACA FASCICULARIS. Nancy G. Greger, William Insull, Jeffrey Probstfield, Bruce S. Keenan. Baylor College of Med., Depts. of Peds. and Internal Med., Houston, TX. (Abstract 446).

3. 9:30 LONG TERM GROWTH IN JUVENILE ACQUIRED HYPOTHYROIDISM. Scott A. Rivkees, John D. Crawford, Hans H. Bode. Pediatric Endocrine Unit Massachusetts General Hospital, Shriners Burns Institute and Harvard Medical School, Boston MA. (Abstract 477).
4. 9:45 SUPPRESSION OF GROWTH HORMONE AND THYROID HORMONE ASSOCIATED WITH VALPROIC ACID THERAPY. Carol A. Huseman, Richard D. Torkelson. Univ. of Nebraska, Univ. of Nebraska Medical Center, Dept. of Pediatrics and Neurology, Omaha, NE. (Abstract 449).
5. 10:00 GROWTH HORMONE (GH) DEFICIENCY ASSOCIATED WITH CRANIAL RADIATION IN ACUTE LYMPHOCYTIC LEUKEMIA (ALL). Gertrude Costin. Univ. So. Calif., Sch. of Med., Children's Hosp. of L.A., Dept. of Ped., Los Angeles, CA. (Abstract 434).
6. 10:15 SOMATOSTATIN (SS) SECRETORY RHYTHM IN GROWTH HORMONE RELEASING HORMONE (GHRH)-DEFICIENT CHILDREN. P. Martha, Jr., R. Blizzard, S. Pezzoli, M. Thorner, A. Rogol. Univ. of VA School of Med., Depts., Pediatrics and Internal Medicine, Charlottesville, VA. (Abstract 462).
7. 10:30 ABNORMAL SLEEP EEG IN IDIOPATHIC SHORT STATURE. Richard H.K. Wu, Yolaine St. Louis, Michael J. Thorpy, Scott Breidbart, Paul Saenger. Albert Einstein Coll. Med., Montefiore Hosp. Med. Ctr., Dept. Peds., Sleep Wake Center, Bronx, NY. (Abstract 492).
8. 10:45 TREATMENT WITH ATENOLOL INCREASES THE GROWTH HORMONE (GH) RESPONSE TO EXOGENOUS GH RELEASING HORMONE (GHRH) BUT FAILS TO AUGMENT ENDOGENOUS GH SECRETION IN NON-GH DEFICIENT SHORT BOYS. Paul Martha, Jr., Robert Blizzard, Susan Pezzoli, Michael Thorner, Alan Rogol. Univ. of VA School of Medicine, Depts. of Peds. and Internal Medicine, Charlottesville, VA. (Abstract 463).
9. 11:00 ADRENOLEUKODYSTROPHY MAY RESEMBLE FAMILIAL ACTH UNRESPONSIVENESS. Carol S. Hart, Stephen M. Rosenthal, Susan Shaw-Reines, Selna L. Kaplan, Melvin M. Grumbach. Univ. of California, San Francisco, Dept. of Pediatrics, San Francisco, CA. (Abstract 447).
10. 11:15 GLUCOCORTICOIDS REGULATE ADRENAL OPIATE PEPTIDES E.F. La Gamma, J.E. Adler, I.B. Black. Depts. Pediatrics & Neurobiology, SUNY at Stony Brook, and Division of Developmental Neurology, Cornell Medical Center, NY. (Abstract 451).
11. 11:30 ACTH RECEPTOR DEFECT IN ADRENOLEUKODYSTROPHY (ALD). Walter J. Meyer, III, Eric M. Smith, Gail E. Richards, Nancy G. Greger, Patrick G. Brosnan, Bruce S. Keenan. Univ. of Texas Medical Branch, Depts. of Psychiatry and Pediatrics, Galveston, TX. (Abstract 465).
12. 11:45 ACQUISITION OF ALDOSTERONE BIOSYNTHETIC CAPACITY IN CONGENITAL ADRENAL HYPERPLASIA WITH HOMOZYGOUS DELETION OF THE GENE ENCODING P450/c21. Phyllis W. Speiser, Perrin C. White, Maria I. New. The New York Hospital-Cornell Medical Center, Dept. of Pediatrics, New York, NY. (Abstract 486).

13. 12:00 STEROID 21-HYDROXYLASE GENE ANALYSIS IN CONGENITAL ADRENAL HYPERPLASIA. John A. Phillips, III, Karla J. Matteson, Pamela J. Orlando, Walter L. Miller. Vanderbilt Univ., Nashville, TN and Univ. of California, San Francisco, CA. (Abstract 470).
14. 12:15 ADAPTATION OF THE HYPOTHALAMIC-PITUITARY-ADRENAL AXIS IN LATE-ONSET CONGENITAL ADRENAL HYPERPLASIA. Penelope Feuillan, Peter Avgerinos, Thomas Schurmeyer, George Chrousos. Developmental Endocrinology Branch, NICHD, NIH, Bethesda, MD. (Abstract 441).

SUBSPECIALTY PLATFORM SESSION

GASTROENTEROLOGY AND NUTRITION I

Tuesday, April 28, 1987; 9:00 A.M.- 12:30 P.M.

MAGNOLIA C

(Embassy/Magnolia Center)

Moderators: Richard Grand and Peter F. Whittington

1. 9:00 ANTRODUODENAL MOTOR COORDINATION IN PRETERM AND TERM INFANTS. R.P. Amarnath, C.L. Berseth, J. Perrault, J.R. Malgelada. (Spon. by Gunnar B. Stickler). Dept. of Pediatrics and Gastroenterology Unit, Mayo Clinic, Rochester, MN. (Abstract 540).
2. 9:15 DIRECT AND INDIRECT MECHANISMS FOR REGULATION OF HUMAN HEPATIC ACUTE PHASE GENE EXPRESSION. D.H. Perlmutter, C. Dinarello, P. Punsal, J. Mier. Dept. Pediatrics, Washington Univ. Med. Ctr., Dept. Medicine, Tufts Univ. School of Medicine, St. Louis, MO. (Abstract 608).
3. 9:30 IGA IS A BILE DUCT GROWTH FACTOR. Jeffrey Boscamp, Sheila Fallon-Friedlander, Marshall Horwitz, Rachel Morecki, Joy Glaser. Albert Einstein College of Medicine, Dept. of Pediatrics, Bronx, NY. (Abstract 545).
4. 9:45 PRECURSOR FORMS OF RAT SMALL INTESTINAL LACTASE. Ricardo O. Castillo, Linda K. Kwong, Philip Sunshine, Richard Quan, Gary M. Gray, Kenneth K. Tsuboi. Stanford Univ. School of Medicine, Depts. of Pediatrics and Medicine, Stanford, CA. (Abstract 554).
5. 10:00 IN UTERO CORTISONE ALTERS THE INTESTINAL SIALYL AND FUCOSYLTRANSFERASE ACTIVITIES IN NEWBORN RATS. Shu-heh W. Chu, Ilene Ely, W. Allan Walker. Harvard Med. Sch., Children's Hosp. and Mass. Gen. Hosp., Dept. of Pediatrics, Boston, MA. (Abstract 556).
6. 10:15 CHOLESTEROL AND PHOSPHOLIPIDS IN RAT MICROVILLUS MEMBRANE (MVM) CHANGE WITH MATURATION AND WITH GLUCO-CORTICOID ADMINISTRATION. Josef Neu, Mira Sankar. (Spon. by Donald V. Eitzman). Univ. of Florida College of Medicine, Gainesville, FL. (Abstract 600).

7. 10:30 REGULATION OF INTESTINAL EPITHELIAL CELL ATTACHMENT AND GROWTH BY EXTRACELLULAR MATRIX (ECM). Allan Olson, Hannah Blau, Debra Danna, Robert Bienknowski, Murray Davidson. Sch. Med., SUNY Stony Brook; Schneider Children's Hosp., LIJMC, Dept. Peds., New Hyde Park, NY. (Abstract 603).
8. 10:45 CYCLIC AMP SUPPRESSES COLLAGEN SYNTHESIS BY HUMAN INTESTINAL SMOOTH MUSCLE (HISM) CELLS. Hilary A. Perr, Martin F. Graham, Robert F. Diegelmann. (Spon. by H. Maurer). Medical College of Virginia, Depts. of Pediatrics and Surgery, Richmond, VA. (Abstract 609).
9. 11:00 ISCHEMIC INJURY TO NEWBORN RABBIT ILEUM: PROTECTIVE ROLE OF SUPEROXIDE DISMUTASE (SOD). Kiran Vohra, Inderjit Singh, Virginia Anderson, Warren Rosenfeld, Robert Lerner, Ramesh Jhaveri. SUNY/Health Science Ctr. at Brooklyn & Interfaith Med. Ctr., Depts. of Peds and Surgery, Brooklyn, NY. (Abstract 645).
10. 11:15 PROTECTION AGAINST INTESTINAL REPERFUSION INJURY BY DEXAMETHASONE (DM). Vrinda M. Telang, Debra M. Beneck, Branda D. Shrivastava, David A. Clark, Harry S. Dweck. NY Med. Coll., West. Med. Ctr., Div. of Neonatal-Perinatal Medicine, Depts. of Pediatrics and Pathology, Valhalla, NY. (Abstract 634).
11. 11:30 EFFECTS OF ISCHEMIA AND VITAMIN E DEFICIENCY ON SMALL BOWEL LIPID PEROXIDATION AND MUCOSAL ENZYMES. John S. Latimer, Merrily Poth. (Spon. by R.E. Johnsonbaugh). USUHS, Dept. of Peds., Bethesda, MD. (Abstract 589).
12. 11:45 PULMONARY CLEARANCE OF HELIUM AS A NON-INVASIVE MEASURE OF COLON BLOOD FLOW IN POST-HEMORRHAGIC HYPOTENSION. Dale R. Gerstmann, Feizal Waffarn. (Spon. by Ira Lott). Dept. of Peds., Wilford Hall USAF Med. Ctr., San Antonio, TX and Univ. of Calif., Irvine, Orange, CA. (Abstract 565).
13. 12:00 INCREASED 25-OHVITAMIN D3, DECREASED 25-OHVITAMIN D2 AND NORMAL 1,25(OH)2 VITAMIN D CONCENTRATIONS IN BREAST-FED INFANTS WITHOUT SUPPLEMENTAL VITAMIN D2. Frank Greer, Sharon Marshall, Xiao-rong Chen. Univ. of Wisconsin, Dept. of Pediatrics, Madison, WI. (Abstract 569).
14. 12:15 JEJUNAL CARNITINE (C) LEVELS AND ABSORPTION IN HUMANS. B.U.K. Li, Mark L. Lloyd, Austin L. Shug, Ward A. Olsen. (Spon. by Grant Morrow). Ohio State Univ., Columbus Children's Hosp., Columbus, OH and Depts. of Medicine and Neurology, Univ. of Wisconsin, Madison, WI. (Abstract 592).

SUBSPECIALTY PLATFORM SESSION

GENETICS

Tuesday, April 28, 1987; 9:00 P.M. - 12:30 P.M.

MAGNOLIA B

(Embassy/Magnolia Center)

Moderators: Jerry Schneider and David S. Rosenblatt

1. 9:00 CYSTEAMINE EYEDROPS DISSOLVE CORNEAL CRYSTALS IN YOUNG PATIENTS WITH NEPHROPATHIC CYSTINOSIS. W. Gahl, I. Fujikawa, T. Kuwabara, S. Jain, M.I. Kaiser-Kupfer. Section on Human Biochem. Gen., NICHD; and Clinical Branch, NEI, Bethesda, MD. (Abstract 696).
2. 9:15 HETEROZYGOTE DETECTION IN CYSTINOSIS USING POLYMORPHONUCLEAR LEUKOCYTES. Lori A. Smolin, Karen F. Clark, Jerry A. Schneider. Univ. of CA, San Diego, Dept. of Pediatrics, La Jolla, CA. (Abstract 724).
3. 9:30 PRENATAL DIAGNOSIS OF SALLA DISEASE (SD). Martin Renlund, Pertti Aula. (Spon. by William A. Gahl). Dept. of Pediatrics and Obstetrics, Univ. of Helsinki, FINLAND. (Abstract 721).
4. 9:45 FURTHER CHARACTERIZATION OF LYSOSOMAL SYSTEM γ +. Ronald L. Pisoni, Jesse G. Thoene, Rosemary M. Lemons, Halvor N. Christensen. Univ. of MI, Depts. of Biol. Chemistry and Pediatrics, Ann Arbor, MI. (Abstract 720).
5. 10:00 CYSTINE EXODUS FROM LEUKOCYTE GRANULAR FRACTIONS IS STIMULATED BY ATP AT SUB-SATURATING CYSTINE LEVELS. Alice A. Greene, Karen F. Clark, Margaret L. Smith, Jerry A. Schneider. Univ. of CA, San Diego, Dept. of Pediatrics, La Jolla, CA. (Abstract 700).
6. 10:15 VITAMIN B12-RESPONSIVE MEGALOBlastic ANEMIA AND HOMOCYSTINURIA: DESCRIPTION OF TWO COMPLEMENTATION CLASSES, cblE AND cblG. D.S. Rosenblatt, D. Watkins. McGill Univ., MRC Genetics Group, Centre for Human Genetics and Depts. of Medicine, Pediatrics, and Biology, Montreal, Quebec, Canada. (Abstract 722).
7. 10:30 DEFECTIVE INTRACELLULAR COPPER TRANSLOCATION IN MENKES KINKY HAIR SYNDROME. Seymour Packman, Sally A. Sample, Susan C. Whitney. Univ. of CA, San Francisco, Dept. of Pediatrics, San Francisco, CA. (Abstract 718).
8. 10:45 CORRELATION OF OVARIAN FUNCTION WITH GALACTOSE-1-PHOSPHATE URIDYL TRANSFERASE LEVELS IN GALACTOSEMIA. Francine R. Kaufman, Won G. Ng, George N. Donnell. Univ. of So. Cal. School of Med., Childrens Hosp. of Los Angeles, Dept. of Peds., Los Angeles, CA. (Abstract 705).
9. 11:00 PROSPECTIVE DIAGNOSIS AND TREATMENT OF UREA CYCLE DISORDERS. D. Bartholomew, R. Reichel, S. Brusilow. Johns Hopkins Univ. School of Medicine, Dept. of Pediatrics, Baltimore, MD. (Abstract 690).

10. 11:15 ALLOPURINOL (AP) INDUCED OROTIDINURIA (ODNU): A TEST OF HETEROZYGOSITY FOR ORNITHINE TRANSCARBAMYLASE (OTC) DEFICIENCY. Saul Brusilow, David Valle. Johns Hopkins Univ. School of Medicine, Dept. of Pediatrics, Baltimore, MD. (Abstract 692).
11. 11:30 L-PIPECOLIC ACID IS OXIDIZED TO alpha-AMINOADIPIC ACID IN THE PEROXISOME OF MAN AND MONKEY. Stephanie J. Mihalik, William J. Rhead. Univ. of IA, College of Medicine, Dept. of Peds., Iowa City, IA. (Abstract 712).
12. 11:45 A NEW FORM OF GLUTARIC ACIDEMIA TYPE II (GA2). James P. Loehr, Frank E. Frerman, Stephen I. Goodman. Univ. of Colorado School of Medicine, Dept. of Pediatrics, Denver, CO. (Abstract 709).
13. 12:00 MOLECULAR CLONING OF cDNA ENCODING RAT ISOVALERYL-CoA DEHYDROGENASE (IVD). Yoichi Matsubara, Jan P. Kraus, Robin Glassberg, Michinori Ito, Yasuyuki Ikeda, John Mole, Leon E. Rosenberg, Kay Tanaka (Spon. by Leon E. Rosenberg). Yale Univ. Sch. of Medicine, New Haven, CT and Univ. of Massachusetts, Worcester, MA. (Abstract 710).
14. 12:15 PIGMENTARY ABNORMALITIES AND CHROMOSOMAL AND GENETIC MOSAICISM AND CHIMERISM. Ioan T. Thomas, Eduardo S. Cantu, Jaime L. Frias, Charlotte Lafer, David B. Flannery, John M. Graham, Jr. Div. of Genetics, Dept. of Peds., Univ. of FL, JHMC, Gainesville, FL; Dept. of Peds., Univ. Hosp., Jacksonville, FL; Div. Med. Gen., Dept. of Peds., Med. Coll. of GA, Augusta, GA; Dept. Mat. and Child Health, Dartmouth Univ. Med. School, Hanover, NH (Abstract 726).

SUBSPECIALTY PLATFORM SESSION

HEMATOLOGY AND ONCOLOGY I

Tuesday, April 28, 1987; 9:00 A.M. - 12:30 P.M.

SOUTH BALLROOM

(Hotel Convention Center)

Moderators: George J. Dover and Charles F. Abilgaard

1. 9:00 APPLICATION OF DNA ANALYSIS TO DETERMINE CARRIER STATUS (CS) OF HEMOPHILIA A. Robert L. Janco, John Phillips, III, Pamela J. Orlando, Martha J. Woodard, Richard M. Lawn. Vanderbilt Univ., Dept. of Peds., Nashville, TN & Genentech, Inc., Dept. of Molecular Biology, S. San Francisco, CA. (Abstract 758).
2. 9:15 SERIAL STUDY OF IMMUNE FUNCTION IN CHILDREN WITH HEMOPHILIA. James Bussel, Carl Welte, Pablo Rubinstein, Margaret Hilgartner. Cornell Medical Center-NY Hospital, Dept. of Pediatrics. Memorial Sloan Kettering-Cancer Center, Dept. of Developmental Hematopoiesis, NYC, NY. (Abstract 742).
3. 9:30 LOSS OF HEPATITIS B ANTIBODY IN HTLV-III POSITIVE HEMOPHILIA PATIENTS. John H. Drake, Richard T. Parmley, Howard A. Britton. Dept. of Pediatrics, The Univ. of Texas Health Science Center at San Antonio, San Antonio, TX. (Abstract 747).

4. 9:45 HEMATOLOGIC MANIFESTATIONS OF PEDIATRIC AIDS. Maadhava Ellaurie, Kiran Shah, Larry Bernstein, Arye Rubinstein. Albert Einstein College of Medicine, Dept. of Pediatrics, Bronx, NY. (Abstract 749).
5. 10:00 ALUMINUM CONTAMINATION OF PLASMA CONCENTRATES. James Bussel, Nancy Alcock (Spon. by M.W. Hilgartner). Cornell Univ. Medical Center-NY Hospital, Dept. of Pediatrics and Memorial Hospital Sloan Kettering-Cancer Center, Dept. of Clinical Chemistry, NYC, NY. (Abstract 741).
6. 10:15 PLATELET 12-HYDROXY-5,8,10, HEPTADECATRIENOIC ACID (HHT) INCREASES PROSTACYCLIN PRODUCTION BY AN EFFECT ON VASCULAR CYCLOOXYGENASE. P. David Sadowitz, Yamaja B.N. Setty, Marie J. Stuart. SUNY Health Science Ctr., Dept. Pediatrics, Syracuse, NY. (Abstract 792).
7. 10:30 ALPHA2-MACROGLOBULIN AND ANTITHROMBIN III ARE EQUALLY IMPORTANT INHIBITORS OF THROMBIN IN NEONATAL PLASMA. Barbara Schmidt, Francoise Fernandez, Gaman Modi, Fred Ofosu, Maureen Andrew, (Spon. by Ronald G. Davidson). McMaster University, Depts. of Pediatrics and Pathology, Hamilton, Ontario, Canada. (Abstract 794).
8. 10:45 IN VITRO ANALYSIS OF HEMATOPOIETIC PROGENITORS IN THE SYNDROME OF THROMBOCYTOPENIA WITH ABSENT RADIUS. Alan C. Homans, Janet L. Cohen, Eric M. Mazur, (Spon. by Edwin N. Forman). Brown Univ., Miriam and RI Hospitals, Depts. of Hematology and Pediatrics, Providence, RI. (Abstract 757).
9. 11:00 THE COAGULOPATHY OF CHILDHOOD LEUKEMIA: DIC OR PRIMARY FIBRINOLYSIS? S.H. Gold, T.C. Abshire, B. Jamison, S.L. Clarke, M.J. Christi, T. Hays, J.S. Roloff, J.L. Ater, L.F. Odom. (Spon. by W.E. Hathaway). Dept. of Ped., Univ. of Colo. School of Medicine & The Children's Hosp., Denver, CO. (Abstract 753).
10. 11:15 THROMBIN B-LOOP PEPTIDE (B-LP) HAS SPECIFIC RECEPTORS ON MACROPHAGES. Sherin Devaskar, Lynn Karycki, George Wilner, Arnold Kahn. St. Louis and Washington Universities, Pediatric Research Institute, Cardinal Glennon Children's & Jewish Hosps., Dept. of Pediatrics & Pathology, St. Louis, MO. (Abstract 746).
11. 11:30 DECREASED TUMOR CYTOLYSIS OF NEUTROPHILS (PMN) FROM PATIENTS WITH CHRONIC GRANULOMATOUS DISEASE (CGD). Robert L. Roberts, Bonnie J. Ank, E. Richard Stiehm. UCLA School of Medicine, Los Angeles, CA. (Abstract 790).
12. 11:45 DDAVP (1-DESAMINO-8-D-ARGININE VASOPRESSIN) DECREASES OPERATIVE BLOOD LOSS IN PATIENTS UNDERGOING HARRINGTON ROD SPINAL FUSION SURGERY. Nathan L. Kobrinsky, R. Mervin Letts, Leena R. Patel, Esther D. Israels, Ronald C. Monson, Nora Schwetz, Mary S. Cheang (Spon. by J.M. Gerrard). Faculty of Medicine, Univ. of Manitoba, Dept. of Pediatrics and Child Health, Winnipeg, Manitoba, Canada. (Abstract 762).

- 13 12:00 GENETIC MANIPULATION OF HUMAN HEMATOPOIETIC CELLS WITH RETROVIRUS VECTORS. Zeev Estrov, Melvin H. Freedman, John H. Dick. Univ. of Toronto, Hospital for Sick Children, Division of Hematology and Dept. of Genetics, Toronto, Canada. (Abstract 750).
14. 12:15 CHARACTERIZATION OF EPSTEIN-BARR VIRUS GENOMES IN TRANSPLANT LYMPHOMA/ LYMPHOPROLIFERATIVE DISEASE. Donna F. Patton, Kenneth L. McClain. The Univ. of MN Hospital, Dept. of Pediatrics, Minneapolis, MN, and Baylor College of Medicine, Texas Children's Hospital, Houston, TX. (Abstract 784).

SUBSPECIALTY PLATFORM SESSION

IMMUNOLOGY I

Tuesday, April 28, 1987; 9:00 A.M. - 12:30 P.M.

EMBASSY WEST

(Embassy/Magnolia Center)

Moderators: Rebecca Buckley and Richard A. Insel

1. 9:00 CARRIER DETECTION IN TYPICAL AND ATYPICAL X-LINKED AGAMMA-GLOBULINEMIA (XLA). M.E. Conley, J.M. Puck. Children's Hospital of Philadelphia, Philadelphia, PA. (Abstract 820).
2. 9:15 WISKOTT-ALDRICH SYNDROME (WAS) CARRIER DETECTION BY X-CHROMOSOME INACTIVATION ANALYSIS. Donald B. Kohn, Eric R. Fearon, Jerry A. Winklestein, Bert Vogelstein, R. Michael Blaese. NCI, NIH, Bethesda, MD, and The Johns Hopkins Hospital, Baltimore, MD. (Abstract 838).
3. 9:30 VARIABLE EXPRESSION OF B CELL FUNCTION IN FAMILIES WITH X-LINKED AGAMMA-GLOBULINEMIA (XLA). Kwang H. Pyun, Hans D. Ochs, Xigiang Yang, Ralph J. Wedgwood. Univ. of Wash., Dept. of Pediatrics, Seattle, WA. (Abstract 857).
4. 9:45 HUMAN ANTI-HAPTEN ANTIBODY DIVERSITY DERIVES FROM COMBINATORIAL MECHANISMS EMPLOYING FEW VH GENES AND SEVERAL JH GENES. Richard L. Wasserman (Spon. by Joseph B. Warshaw). Univ. of Texas Health Science Center at Dallas, Children's Medical Center, Dept. of Pediatrics, Dallas, TX. (Abstract 877).
5. 10:00 IgG2 SUBCLASS DEFICIENCY PRESENTING AS H. INFLUENZAE B (HIB) DISEASE AFTER IMMUNIZATION WITH HIB VACCINE. Richard A. Insel, Bruce Gellin, Claire Broome, David Smith. Univ. Rochester School Med and Dent., Dept. Peds., Rochester, NY, Center for Disease Control; Praxis Biologics, Atlanta, GA. (Abstract 834).
6. 10:15 IMMUNIZATION OF INFANTS WITH HAEMOPHILUS INFLUENZAE TYPE b (Hib) POLYSACCHARIDE- OUTER MEMBRANE PROTEIN (PS-OMP) CONJUGATE VACCINE PRIMES FOR IgG1 BOOSTER RESPONSES TO CONVENTIONAL Hib PS VACCINE. Geoffrey A. Weinberg, Menachem S. Einhorn, Allen A. Lenoir, Paul D. Granoff, Dan M. Granoff. Washington Univ. Sch. of Med., Dept. of Peds., St. Louis, MO. (Abstract 879).

7. 10:30 ONTOGENY OF THE SUBCLASS OF ANTIBODY TO PNEUMOCOCCAL POLYSACCHARIDE TYPE 3. Desmond Schatz, Douglas J. Barrett. Univ. of Florida Coll. of Medicine, Dept. of Peds., Gainesville, FL. (Abstract 863).
8. 10:45 ADULT-LIKE ANTIBODY (Ab) RESPONSES TO HAEMOPHILUS INFLUENZAE b (HIB) CAPSULAR POLYSACCHARIDE (PRP) VACCINE IN HUMAN INFANTS PRIMED WITH PROTEIN-OLIGO- SACCHARIDE CONJUGATE VACCINES. Michael E. Pichichero, Richard A. Insel, Porter W. Anderson. Univ. Rochester School Med. and Dent, Strong Mem. Hosp., Dept. Pediatrics, Rochester, NY. (Abstract 856).
9. 11:00 ANTIBODY (AB) RESPONSES OF IGG2 DEFICIENT (G2D) CHILDREN TO H. INFLUENZAE TYPE B (HIB) AND PNEUMOCOCCAL (PN) TYPES 3 (P-3) AND 23 (P-23) POLYSACCHARIDES (PS). Penelope G. Shackelford, Dan M. Granoff. Wash. Univ. Sch. of Med. & Children's Hosp., St. Louis, MO. (Abstract 867).
10. 11:15 RESPONSE OF IgG SUBCLASS DEFICIENT PATIENTS TO H. INFLUENZA TYPE b POLYRIBOSE PHOSPHATE (PRP) DIPHTHERIA TOXOID CONJUGATE (PRP-D) VACCINE. Howard M. Rosenblatt, John M. Zahradnik, Patrick H. McVerry (Spon. by William T. Shearer). Baylor College of Medicine, Texas Children's Hospital, Depts. of Pediatrics and Microbiology, Houston, TX and Connaught Labs, Swiftwater, PA. (Abstract 860).
11. 11:30 TWO COLOR FLOW CYTOMETRIC ANALYSIS OF CORD BLOOD LYMPHOCYTES. Thomas A. Fleisher, Claire Hagenruber, Gerald E. Marti, R.M. Blaese. NIH, Bethesda, MD. (Abstract 828).
12. 11:45 MHC-RESTRICTED, ANTIGEN SPECIFIC, GRANULE EXOCYTOSIS FROM HELPER T CELLS: ANOTHER INDICATOR OF RECEPTOR MEDIATED T CELL ACTIVATION. Michael Taplits, Pierre Henkart, Richard Hodes. Immunology Branch, National Cancer Institute, NIH, Bethesda, MD. (Abstract 873).
13. 12:00 CONCANAVALIN A ACTIVATES THE SUPPRESSOR/INDUCER SUBPOPULATION OF CD4+T LYMPHOCYTES. John W. Sleasman, Michelle Henderson, Douglas J. Barrett. Univ. of Florida College of Medicine, Dept. of Pediatrics, Gainesville, FL. (Abstract 871).
14. 12:15 TRANSFORMING GROWTH FACTOR, TYPE Beta (TGF-Beta) INHIBITS THE GROWTH AND DIFFERENTIATION OF NORMAL, BUT NOT TRANSFORMED, B LYMPHOCYTES. L.B. Vogler, S.J. Anderson, M.C. Kinney. Depts. of Pediatrics, Microbiology and Pathology, Vanderbilt Univ. School of Med., Nashville, TN. (Abstract 875).

SUBSPECIALTY PLATFORM SESSION

GENERAL NEONATOLOGY I

Tuesday, April 28, 1987; 9:00 A.M. - 12:30 P.M.

GRAND BALLROOM

(Hotel Convention Center)

Moderators: Charles Rosenfeld and Jeffrey Whitsett

1. 9:00 THE EFFECT OF POSTNATAL DIETARY FAT COMPOSITION ON MODIFYING RESISTANCE TO O₂ TOXICITY IN NEWBORN RATS. Ilene R.S. Sosenko, Miguel Martinez, Frances Martinez, Lee Frank. Univ. of Miami School of Medicine, Pulmonary Research and Neonatology, Depts. of Medicine and Pediatrics, Miami, FL. (Abstract 1222).
2. 9:15 OUTCOME OF RENAL CALCIFICATIONS (RC) IN INFANTS ON FUROSEMIDE (F) FOR BRONCHOPULMONARY DYSPLASIA (BPD). Kathryn W. Kerkering, Andrey D. Cobb, William H. Brewer. (Spon. by Harold M. Maurer). Virginia Commonwealth Univ., Medical College of VA, Children's Medical Ctr., Richmond, VA. (Abstract 1151).
3. 9:30 HEMODYNAMIC CHANGES IN A NEWBORN PIGLET MODEL OF PATENT DUCTUS ARTERIOSUS (PDA). Thomas A. Malone, Barbara S. Stonestreet, Moses Goddard, William Oh. Brown Univ., Women & Infants Hosp., Dept. Peds., Providence, RI. (Abstract 1162).
4. 9:45 CARBOXYHEMOGLOBIN CONCENTRATION IN PREGNANT MOTHER AND FETUS DURING CHRONIC AND RECENT CIGARETTE SMOKING. Abraham Ludomirski, Vinod K. Bhutani, Stuart Weiner, Ronald Bolognese. (Spon. by Lois H. Johnson). Univ. of PA Sch of Med, PA, Sections of Perinatology & Newborn Pediatrics, Philadelphia, PA. (Abstract 1160).
5. 10:00 TRANSCUTANEOUS OXYGEN TENSION LEVELS AND RETINOPATHY OF PREMATURITY (ROP). John Flynn, Eduardo Bancalari, Ronald Goldberg, Dennis Gillings, Ellen Sim, Janet Cassady, Joyce Schiffman, William Feuer, Brian Bachynski, Edward Buckley, Jacqueline Roberts, Maria Downton. Univ. of Miami, Jackson Memorial Hosp., Depts. of Ophthalmology and Pediatrics, Miami, FL. (Abstract 1125).
6. 10:15 RETINAL PROSTACYCLIN IS DECREASED IN KITTENS EXPOSED TO HYPEROXIA. Yamaja B.N. Setty, Dale L. Phelps, Marie J. Stuart. SUNY, Health Science Ctr., Dept. of Pediatrics, Syracuse, NY and Univ. of Rochester School of Medicine, Strong Mem. Hosp., Dept. of Pediatrics, Rochester, NY. (Abstract 1215).
7. 10:30 HEALING EFFECTS OF INCREASED INSPIRED OXYGEN ON OXYGEN INDUCED RETINOPATHY IN THE KITTEN MODEL. Dale L. Phelps. Univ. of Rochester School of Medicine, Strong Memorial Hosp., Depts. of Pediatrics and Ophthalmology, Rochester, NY. (Abstract 1196).
8. 10:45 ISOLATION AND IN VITRO CHARACTERIZATION OF FETAL BOVINE RETINAL PERICYTES AT VARYING OXYGEN CONCENTRATIONS. Michael S. Trautman, Judy M. Kimelman, Merton Bernfield. Stanford Univ. School of Medicine, Dept. of Pediatrics, Stanford, CA. (Abstract 1234).

9. 11:00 SURVIVAL IN INFANTS WITH PERSISTENT PULMONARY HYPERTENSION (PPHTN) WITHOUT EXTRACORPOREAL MEMBRANE OXYGENATION (ECMO). April R. Dworetz, Fernando R. Moya, Barbara Sabo, Ian Gross. Yale Univ. School of Medicine, Dept. of Pediatrics, New Haven, CT. (Abstract 1118).
10. 11:15 RIGHT-SIDED BRAIN LESIONS IN INFANTS FOLLOWING UNILATERAL CAROTID LIGATION FOR EXTRACORPOREAL MEMBRANE OXYGENATION. R.E. Schumacher, J.D.E. Barks, M.V. Johnston, S.M. Donn, M.S. Scher, R.H. Bartlett. Univ. of Michigan Medical Ctr., Depts. of Pediatrics, Surgery, Neurology, Ann Arbor, MI and Univ. of Pittsburgh, Pittsburgh, PA. (Abstract 1212).
11. 11:30 RELATIONSHIP BETWEEN ATRIAL NATRIURETIC FACTOR (ANF) AND DIURESIS IN NEONATES WITH RESPIRATORY DISTRESS SYNDROME (RDS). H.J. Rozycki, S. Baumgart. Dept. of Pediatrics, Univ. of Pennsylvania Sch. of Med. and Div. of Neonatology, The Children's Hosp. of Philadelphia, Philadelphia, PA. (Abstract 1211).
12. 11:45 NEONATAL MANPOWER. Gerald B. Merenstein. (Spon. by Frederick C. Battaglia). Univ. of Colorado School of Med., Dept. of Pediatrics, Denver, CO. (Abstract 1170).
13. 12:00 DESCRIPTION OF 72 INFANTS EXPOSED TO COCAINE PRENATALLY. Richard F. Fulroth, Barry L. Phillips, Ruth E. Trueax, David J. Durand. (Spon. by Bertram Lubin). Highland General Hosp., Dept. of Pediatrics and Children's Hosp., Division of Neonatology, Oakland, CA. (Abstract 1126).
14. 12:15 VISUAL DYSFUNCTION IN COCAINE-EXPOSED INFANTS. Suzanne D. Dixon, Ronald W. Coen, Susan Crutchfield. Univ. of California, San Diego, CA. (Abstract 1112).

SUBSPECIALTY PLATFORM SESSION

NEPHROLOGY I

Tuesday, April 28, 1987; 9:00 A.M. - 12:30 P.M.

MARINA BALLROOM 2

(Hotel Convention Center)

Moderators: John Lewy and F. Bruder Stapleton

1. 9:00 EFFECTS OF ALPHA-HUMAN ATRIAL NATRIURETIC PEPTIDE (ANP) ON RENAL FUNCTION DURING DEVELOPMENT. Andrew A. Andresen, Venance A. Varille, Kenneth Nakamura, Jean E. Robillard. Univ. of Iowa, Iowa City, IA. (Abstract 1785).
2. 9:15 EFFECT OF ATRIAL NATRIURETIC FACTOR (ANF) ON DEVELOPMENTAL RENAL FUNCTIONS. Eunice G. John, Linda Fornell. (Spon. by George R. Honig). Univ. of Illinois at Chicago, College of Medicine, Dept. of Pediatrics, Chicago, IL. (Abstract 1824).

3. 9:30 EFFECTS OF ALPHA-HUMAN ATRIAL NATRIURETIC PEPTIDE (ANP) ON RENAL HEMODYNAMICS AND BODY FLUID HOMEOSTASIS DURING DEVELOPMENT. Venance A. Varille, Kenneth T. Nakamura, Oliva J. McWeeny, Robert L. Schmidt, Jean E. Robillard. Univ. of Iowa, Iowa City, IA. (Spon. by Abstract 1873).
4. 9:45 ROLE OF POTASSIUM (K+) IN THE HYDROSMOTIC RESPONSE TO VASOPRESSIN (VP). A.S. Brem, M.A. Pacholski. Brown Univ. and Rhode Island Hosp., Providence, RI. (Abstract 1796).
5. 10:00 THE EFFECT OF INTRARENAL SUBSTANCE P (ISP) ON SODIUM AND CATECHOLAMINE EXCRETION IN HYDROPENIC (H) AND SALINE LOADED (SL) CANINE. Mouin G. Seikaly, Philip L. Calcagno, Gilbert M. Eisner, Pedro A. Jose. Georgetown Univ. Hosp., Dept. of Pediatrics, Washington, DC. (Abstract 1861).
6. 10:15 OXYGEN CONSUMPTION IN PROXIMAL TUBULE SUSPENSIONS OF 14-21 DAYS OLD AND ADULT RATS. Mario Barac-Nieto, Adrian Spitzer. Dept. of Pediatrics, Albert Einstein College of Medicine, Bronx, NY. (Abstract 1791).
7. 10:30 MECHANISM OF ENHANCED PHOSPHATE (Pi) TRANSPORT BY PROXIMAL TUBULES OF DEVELOPING GUINEA PIGS. Richard E. Neiberger, Mario Barac-Nieto, Adrian Spitzer. Dept. of Pediatrics, Albert Einstein College of Medicine, Bronx, NY. (Abstract 1848).
8. 10:45 IMPORTANCE OF THE CYTOSKELETON IN ISOTONIC VOLUME CONTROL OF PROXIMAL CONVOLUTED TUBULES (PCT). Michael A. Linshaw, Cathryn A. Bauman. Univ. of Connecticut Health Ctr., Dept. of Pediatrics, Farmington, CT. (Abstract 1840).
9. 11:00 DOPAMINE RECEPTORS (DA-R) IN PROXIMAL TUBULAR BASOLATERAL (BLM) AND BRUSH BORDER MEMBRANES (BBM). Christian C. Felder, Tony C. McKelvey, Melvin Blecher, Pedro A. Jose. Georgetown Univ. Hosp., Dept. of Pediatrics, Washington, DC. (Abstract 1807).
10. 11:15 MARKEDLY ELEVATED PLASMA CONCENTRATIONS OF OSTEOCALCIN (OC) AND ALKALINE PHOSPHATASE (AP) IN THE HYPOCALCEMIC, HYPERPHOSPHATEMIC NEPHRECTOMIZED (NX) FETAL SHEEP. Richardus Ross, Mei Chen, Kenneth E. Clark, Reginald C. Tsang. Univ. of Cincinnati Med. Ctr., Dept. of Pediatrics, Cincinnati, OH. (Abstract 1858).
11. 11:30 CELL METABOLISM IN RENAL DISEASE. Jack Metcuff, Gabi Distler, Roland Weber, Theo Grasser, G. Pfaff, Karl Scharer, Peter Furst. Univ. of Oklahoma Health Ctr., Dept. of Pediatrics, Oklahoma City, OK; Universities of Heidelberg and Hohenheim, West Germany. (Abstract 1846).
12. 11:45 THE EFFECT OF VARYING LEVELS OF RENAL FUNCTION ON MUSCLE PROTEIN SYNTHESIS. Radhakrishna Baliga, Jean Harrah, Malcolm A. Holliday. Univ. of California San Francisco, Dept. of Pediatrics, San Francisco, CA; Louisiana State Univ. Medical Ctr., Dept. of Pediatrics, New Orleans, LA. (Abstract 1790).

13. 12:00 THE EFFECTS OF GLUCOCORTICOIDS ON THE DEVELOPING NEPHRON OF THE MOUSE. John F. Crocker, Malcolm R. Ogborn, Christopher P. Ozere, Kimberley, E. Chalmers. Dalhousie Univ. and Izaak Walton Killam Hospital for Children, Dept. of Peds., Halifax, N.S. (Abstract 1801).
14. 12:15 MODULATION OF RENAL PROTEIN KINASE C BY DIETARY PHOSPHATE DEPRIVATION. A. Boneh, H.S. Tenenhouse. (Spon. by C.R. Scriver). MRC Genetics Group, McGill Univ.- Montreal Children's Hosp. Research Institute, Montreal, Quebec, Canada. (Abstract 1795).

SUBSPECIALTY PLATFORM SESSION
PULMONOLOGY I
Tuesday, April 28, 1987; 9:00 A.M. - 12:30 P.M.
MARINA BALLROOM 3
(Hotel Convention Center)

Moderators: Thomas A. Hazinski and John McBride

1. 9:00 HORMONAL EFFECTS ON FATTY ACID SYNTHESIS IN CULTURED HUMAN FETAL LUNG. Linda W. Gonzales, Philip L. Ballard, Robert Ertsey. Dept. Peds. and Cardiovasc Res. Inst., Univ. of California, San Francisco, CA. (Abstract 1968).
2. 9:15 FETAL TYPE 2 PNEUMOCYTES FORM ALVEOLAR-LIKE STRUCTURES AND MAINTAIN LONG TERM FUNCTION ON EXTRACELLULAR MATRIX. Hannah Blau, D.E. Guzowski, Emile Scarpelli, R.S. Bienkowski. SUNY-Stony Brook; Schneider Children's Hosp, LIJMC, Dept. Pediatrics, New Hyde Pk, NY. (Abstract 1958).
3. 9:30 LUNG ALVEOLAR TYPE II CELLS HAVE LUMINAL ANTI-GENIC DETERMINANTS UNIQUE FROM OTHER PARENCHYMAL CELLS. Robert V. Kotas, John J. Kanalas, Sudesh P. Makker. Univ. of TX Health Science Center at San Antonio, Divs. of Research and Nephrology, Dept. of Pediatrics, San Antonio, TX. (Abstract 1976).
4. 9:45 ELASTOGENESIS IN BOVINE FETAL LUNG. Akihiko Noguchi, Jonathan D. Kursar. St. Louis Univ. Pediatric Research Institute Cardinal Glennon Children's Hospital, Dept. of Peds., St. Louis, MO. (Abstract 1979).
5. 10:00 ANATOMIC DISTRIBUTION OF SUBSTANCE P RECEPTORS IN GUINEA PIG LUNG. Catherine Gatto, Virginia Seybold, Kerry J. Berg, Dana E. Johnson. Univ. of Minnesota Medical School, Hennepin County Medical Center and Univ. of Minnesota Hospital, Dept. of Pediatrics and Anatomy, Minneapolis, MN. (Abstract 1967).
6. 10:15 ANTENATAL BETAMETHASONE EXPOSURE INCREASES THE SALINE COMPLIANCE OF FETAL RABBIT LUNGS. John M. Fiascone, Harris C. Jacobs, Fernando R. Moya, David M. Lima, Mark R. Merdurio (Spon. by Ian Gross). Yale Univ. Sch. of Med., Dept. of Ped., New Haven, CT. (Abstract 1964).

7. 10:30 ARE MINIMUM SURFACE TENSION (ST) AND HYSTERESIS OF SURFACTANT IMPORTANT FOR LUNG COMPLIANCE? Mark R. Mercurio, Harris C. Jacobs, John M. Fiascone, David M. Lima. (Spon. by I. Gross). Yale Univ. Sch. of Med., Dept. of Peds., New Haven, CT. (Abstract 1978).
8. 10:45 HEMATOCRIT EFFECTS ON LUNG MICROVASCULAR PRESSURES IN YOUNG RABBITS. J. Usha Raj, Ramanathan Rangasamy, Priscilla Chen, Jean Anderson. (Spon. by Delbert A. Fisher). UCLA School of Medicine, Harbor-UCLA Medical Center, Dept. of Pediatrics, Torrance, CA. (Abstract 1984).
9. 11:00 APPARENT ENZYME KINETICS OF ANGIOTENSIN CONVERTING ENZYME; CORRELATION WITH LUNG INJURY AND REPAIR. Dan Riggs, Andrew M. Havill, Bruce R. Pitt, C. Norman Gillis. (Spon. by John Malone). Depts. of Anesthesiology, Pharmacology and Pediatrics, Yale Univ. School of Medicine, New Haven, CT. (Abstract 1986).
10. 11:15 HEMODYNAMIC AND PATHOLOGIC RESPONSE TO INCREASED BLOOD FLOW IN SHEEP. Michele Smith, Geoffrey Coates, J. Michael Kay, Hugh O'Brodovich. (Spon. by H. Levison). Depts. of Radiology and Pathology, McMaster Univ. Hamilton, and the Hospital for Sick Children, Toronto, Ontario, Canada. (Abstract 1992).
11. 11:30 THROMBOXANE A2 MEDIATES VENOUS CONSTRICTION DURING HYPOXIA IN LUNGS OF NEWBORN LAMBS. J. Usha Raj, Priscilla Chen. (Spon. by Delbert A. Fisher). UCLA School of Medicine, Harbor-UCLA Medical Center, Dept. of Pediatrics, Torrance, CA. (Abstract 1983).
12. 11:45 CIMETIDINE REDUCES PULMONARY OXYGEN TOXICITY IN LAMBS. Thomas A. Hazinski, Kathleen A. Kennedy, Margaret L. France, Thomas N. Hansen. Depts. of Pediatrics, Vanderbilt Medical School, Nashville, TN; and Baylor Med. School, Houston, TX. (Abstract 1970).
13. 12:00 BARBITURATES ATTENUATE OXIDANT-INDUCED LUNG INJURY IN RABBITS. Jay R. Shayevitz, Alan J. McShane, Richard J. Traystman, Gail H. Gurtner. (Spon. by Alan Gruskin). The Johns Hopkins Medical Institutions, Dept. of Anesthesiology/Crit. Care Medicine, Baltimore, MD. (Abstract 1988).
14. 12:15 DIMINISHED HYPEROXIC INDUCTION OF ANTIOXIDANT ENZYME LEVELS IN RAT LUNG DURING THE FIRST THREE WEEKS OF LIFE. Kathleen A. Kennedy, Louis S. Crouch, Joseph B. Warshaw. Dept. of Pediatrics, Univ. Texas Health Science Center, Dallas, TX. (Abstract 1974).