

THE EASTERN SOCIETY FOR PEDIATRIC RESEARCH

March 21-23, 2003

Hyatt Regency, Greenwich, Connecticut

REGISTRATION Regency ABC Foyer

Friday, March 21	3 pm - 7 pm
Saturday, March 22	8 am - 10 am
Saturday, March 22	5 pm - 7 pm
Sunday, March 23	8 am - 10 am



Jointly sponsored by Norwalk Hospital and the Eastern Society for Pediatric Research

ACCREDITATION

This activity has been planned and implemented in accordance with the Essential Areas and Policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint sponsorship of Norwalk Hospital and the Eastern Society for Pediatric Research. Norwalk Hospital is accredited by the Connecticut State Medical Society to sponsor continuing medical education for physicians.

Norwalk Hospital designates this continuing medical education activity for a maximum of 14 hours in category 1 credit towards the AMA Physician's Recognition Award. Each physician should claim only the hours of credit that he/she actually spent in the educational activity.

DISCLOSURE

It is the policy of Norwalk Hospital to ensure balance, independence, objectivity, and scientific rigor in all of its educational activities. In accordance with the policy of Norwalk Hospital, faculty are asked to disclose any affiliation or financial interest that may affect the content of their presentation. There are no conflicts of interest nor is there any commercial support of any of the faculty participating in this program.

ACKNOWLEDGEMENT

Supported by educational grants from Ross Products, Mead-Johnson Nutritionals, MedImmune, and Philips Medical Systems.

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Jan B. Wollack, M.D., Ph.D.

Associate Professor of Pediatrics, University of Medicine and Dentistry of New Jersey (UMDNJ). New Brunswick, NJ

Announcement

The American Academy of Pediatrics, Section on Perinatal Pediatrics, Districts I, II, and III Meeting, will take place at the same location on Friday March 21, 2003, at 12:00 p.m. to 5:00 p.m. Invited Speakers are: Vinod Bhutani, M.D., Waldemar Carlo, M.D., and Stuart Weisberger, M.D. For further information contact Linda J. Van Marter, MD, MPH, AAP, Section on Perinatal Pediatrics, telephone (617) 355-6027, facsimile (617) 738-1044.

**Friday Evening, March 21, 2003
5:30 pm - 7:30 pm**

**Poster Session I and Welcome Reception
Regency A Room**

POSTER SESSION I

PREFERENCES OF TEEN MOTHERS SERVICES AT A TEEN-TOT AND PRENATAL MODEL OF CARE

L Bevill, J Cox, J Forsyth, S Missal, M Sherry, ER Woods
Boston, MA – *Abstract 1*

DIAGNOSTIC ISSUES REGARDING THE ROLE OF EMOTIONAL LABILITY IN CHILDREN WITH SEVERE BEHAVIOR PROBLEMS AND DEVELOPMENTAL DISABILITIES

S Clemente, HB Demb
BRONX, NY – *Abstract 2*

INCIDENCE OF GASTROESOPHAGEAL REFLUX IN CHILDREN WITH CHRONIC COUGH AND WHEEZING UNRESPONSIVE TO INHALATION THERAPY UNDERGOING BRONCHOSCOPY

S Arora, D Kong, M Kazachkov, S Narwal
Brooklyn, NY – *Abstract 3*

FAILURE OF INFLIXIMAB IN FISTULIZING CROHN'S DISEASE

S Arora, G Wetzler, S Narwal
Brooklyn, NY – *Abstract 4*

MOTHERS' PERCEPTIONS OF VACCINATION OF INFANTS

AL Benin, DJ Wisler, E Colson, ED Shapiro, ES Holmboe
New Haven, CT – *Abstract 5*

BARRIERS TO BREASTFEEDING AMONG INNER-CITY MOTHERS

EM Sampayo, I Sharif, PO Ozuah
Bronx, NY – *Abstract 6*

CORRELATES OF BREASTFEEDING DURATION IN INNER-CITY MOTHERS

EM Sampayo, I Sharif, PO Ozuah
Bronx, NY – *Abstract 7*

CORRELATES OF BREASTFEEDING INITIATION IN INNER-CITY MOTHERS

EM Sampayo, I Sharif, PO Ozuah
Bronx, NY – *Abstract 8*

PHYSICIAN KNOWLEDGE OF EFFECTIVE BRONCHODILATOR DELIVERY

JA Betances, D DiMaggio, E Hyman, S Levine, I Sharif, PO Ozuah
Bronx, NY – *Abstract 9*

BARRIERS TO METERED-DOSE INHALER PLUS SPACER USE

SB Levine, E Hyman, D Dimaggio, JA Betances, I Sharif, PO Ozuah
Bronx, NY – *Abstract 10*

KNOWLEDGE ABOUT NEWBORN CARE AMONG EXPECTANT PARENTS

N Dubal, F Meah, L Cohen
Flushing, NY – *Abstract 11*

MORTALITY AND MORBIDITY OF 23-24 WEEK PREMATURE INFANT

A Barone, HA Phan, A Harin, B Karmel, J Gardner
Staten Island, NY – *Abstract 12*

THE USE OF NASAL CANNULA IN VERY LOW BIRTH WEIGHT INFANTS

T Nakhla, J Saslow, Z Aghai, N Razi, S Imaizumi, G Stahl
Camden, NJ– *Abstract 13*

MATERNAL SUBSTANCE ABUSE: AN EIGHT YEAR EXPERIENCE AT KINGS COUNTY HOSPITAL

S Ranu, B Naso, S Laungani, S Piecuch
Brooklyn, NY– *Abstract 14*

Abstract withdrawn

– *Abstract 15*

HIGH PREVALENCE OF CARNITINE DEFICIENCY AND CARDIAC DYSFUNCTION IN CHILDREN ON HEMODIALYSIS

B Belay, N Esteban-Cruciani, C Walsh, H Issenberg, F Kaskel
Bronx, NY– *Abstract 16*

USE OF A COMPOSITE SCORING SYSTEM IN THE ASSESSMENT OF FOLATE DEFICIENCY (FD) IN PEDIATRIC HEMODIALYSIS PATIENTS (HD)

FO Bamgbola, FJ Kaskel
Bronx, NY – *Abstract 17*

DO MACROLIDES HAVE A ROLE IN THE LONG TERM TREATMENT OF ASTHMA

IC Gainov, W Baik-Han
Flushing, NY– *Abstract 18*

AN UNUSUAL CASE OF ISO-X TURNER SYNDROME

LQ Lew, N Kardon
Flushing, NY– *Abstract 19*

SATURDAY, MARCH 22, 2003

CONCURRENT SCIENTIFIC ABSTRACT SESSIONS

INFECTIOUS DISEASE/IMMUNOLOGY.....Winthrop AB Room
NEONATOLOGY I.....Regency B Room
NEPHROLOGYMead AB Room
NEUROLOGYRegency C Room

7:30 am-11 am - Complimentary Continental Breakfast
8:00 am-10:45 am
Concurrent Scientific Sessions

INFECTIOUS DISEASES/IMMUNOLOGY

Winthrop AB Room

David Pugatch, M.D., presiding

- 8:00 THE EFFECTIVENESS OF ORAL DEXAMETHASONE IN THE TREATMENT OF MODERATE TO SEVERE PHARYNGITIS IN CHILDREN AND YOUNG ADULTS
RP Olympia, H Khine, JR Avner
Bronx, NY- *Abstract 20*
- 8:15 MICROBIOLOGY OF BACTERIAL INFECTION IN PEDIATRIC PATIENTS IN CENTRAL HAITI
D Dowell, S Piccuch
Brooklyn, NY- *Abstract 21*
- 8:30 STRAIN RELATEDNESS OF *STAPHYLOCOCCUS EPIDERMIDIS* ISOLATES RECOVERED FROM NEONATES AND HEALTHCARE WORKERS IN A NEONATAL INTENSIVE CARE UNIT
V Milisavljevic, F Wu, E Larson, P Della-Latta, L Saiman
New York, NY- *Abstract 22*
- 8:45 MOLECULAR EPIDEMIOLOGICAL STUDY OF OUTBREAKS OF *SERRATIA MARCESCENS* IN TWO NEONATAL INTENSIVE CARE UNITS
V Milisavljevic, F Wu, L Saiman, E Larson, M Nesin, P Della-Latta
New York, NY- *Abstract 23*
- 9:00 COFFEE BREAK
- 9:15 EPIDEMIOLOGY AND CLINICAL FEATURES OF HUMAN METAPNEUMOVIRUS INFECTION IN NEW-HAVEN, CT
FP Esper, DD Broucher, CA Weibel, RA Martinello, JS Kahn
New Haven, CT- *Abstract 24*
- 9:30 HOME SETTING RSV PROPHYLAXIS RESULTS IN IMPROVED COMPLIANCE AND FEWER HOSPITALIZATIONS
SG Golombek, F Berning, EF LaGamma
Valhalla, NY- *Abstract 25*

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| <p>9:45 FEATURED TALK: " Pediatric AIDS-A Global View"
Objectives: 1. To provide an overview of the global HIV/AIDS epidemic in mothers and children.
2. To examine research priorities for decreasing mother to child transmission in HIV in resource-poor settings.
3. To examine research priorities for HIV/AIDS treatment and care of children in resource-poor settings.
David Pugatch, M.D., Assistant Professor of Pediatrics and Medicine, Brown University. Providence, RI</p> |
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NEONATOLOGY I

Regency B Room

Waldemar A. (Wally) Carlo, M.D., presiding

- 8:00 RESPIRATORY DECOMPENSATION AND SURFACTANT DYSFUNCTION IN PRETERM INFANTS**
JD Merrill, AM Ades, RA Ballard, R Godinez, MH Godinez, A Cnaan, X Luan, A Haque, PL Ballard
Philadelphia, PA– *Abstract 26*
- 8:15 ACIDOSIS IN NEWBORNS WITH NUCHAL CORDS AND NORMAL APGAR SCORES.**
GC Martin, RS Green, IR Holzman
New York, NY– *Abstract 27*
- 8:30 CONTROLLED TRIAL OF PRESSURE SUPPORT VENTILATION WITH VOLUME GUARANTEE (PSV-VG) VS. SYNCHRONIZED INTERMITTENT MANDATORY VENTILATION (SIMV)**
SM Nafday, RS Green, I Oschorn, J Lin, IR Holzman
New York, NY– *Abstract 28*
- 8:45 THE EFFECT OF SLEEP POSITION ON HEART RATE VARIABILITY AS MEASURED BY SPECTRAL ANALYSIS**
M Jean-Louis, H Rosen, M Hiatt, T Heygi
New Brunswick, NJ– *Abstract 29*
- 9:00 COFFEE BREAK**
- 9:15 CLINICAL RELEVANCE OF TRANSCUTANEOUS BILIRUBINOMETRY IN PRETERM INFANTS UNDER PHOTOTHERAPY**
S Nanjundaswamy, R Mehta, A Petrova, T Hegyi
New Brunswick, NJ– *Abstract 30*
- 9:30 THE ACCURACY OF TRANSCUTANEOUS BILIRUBIN MEASUREMENTS IN NEONATES**
S Nanjundaswamy, A Petrova, R Mehta, T Hegyi
New Brunswick, NJ– *Abstract 31*
- 9:45 LONG TERM SAFETY OF AN OPTIMAL FRC STRATEGY ALLOWING PERMISSIVE HYPERCAPNIA IN EXTREMELY LOW BIRTH WEIGHT NEONATES WITH HYALINE MEMBRANE DISEASE: 12 MONTH NEURODEVELOPMENTAL OUTCOME**
A Dudhbhai, M Zia, EF LaGamma, MS Hassan
Valhalla, NY– *Abstract 32*
- 10:00 VITAMIN E SUPPLEMENTATION IN PRETERM INFANTS: SYSTEMATIC REVIEW**
LP Brion, EF Bell, TS Raghuv eer
Bronx, NY; Iowa City, IA; Kansas City, KS– *Abstract 33*

<p>10:15 FEATURED TALK: “Optimizing Assisted Ventilation: Permissive Hypercapnia and Permissive Hypoxemia” Objectives: 1. Understand the use of mechanisms of gas exchange during assisted ventilation. 2 Evaluate the clinical data on permissive hypercapnia in neonates. 3. Assess the data available for PaO₂/SaO₂ targets in neonates. Waldemar A. (Wally) Carlo, M.D., Professor of Pediatrics, University of Alabama at Birmingham, AL</p>

NEPHROLOGY

Mead AB Room

Lisa M. Satlin, M.D., presiding

- 8:00 COLONY-STIMULATING FACTOR 1 ROLE IN INDUCTION OF RENAL TUBULOINTERSTITIAL DISEASE**
C Năilescu, YG Yeung, M Castaneda, FJ Kaskel, ER Stanley
Bronx, NY– *Abstract 34*
- 8:15 MECHANOREGULATION OF INTRACELLULAR Ca²⁺ CONCENTRATION IN RABBIT CORTICAL COLLECTING DUCT**
W Liu, C Woda, L Satlin
New York, NY– *Abstract 35*
- 8:30 LASER CAPTURE MICRODISSECTION (LCM) AND QUANTITATIVE REVERSE-TRANSCRIPTION POLYMERASE CHAIN REACTION (qrt-PCR) FOR ISOLATED GLOMERULAR AND TUBULAR GENE EXPRESSION PROFILING IN A TGF- β 1 TTRANSGENIC MODEL OF PROGRESSIVE GLOMERULAR SCLEROSIS.**
RP Woroniecki, K Szustak, M Bitzer, FJ Kaskel, EP Böttinger
Bronx, NY– *Abstract 36*
- 8:45 COFFEE BREAK**

9:00 FEATURED TALK: “Mechanoregulation of Potassium Transport in the Maturing Collecting Duct”
Objectives: 1. The biomechanical forces that may regulate ion channel activity in renal epithelial cells.
2. The molecular basis for baseline and flow-stimulated potassium transport in the distal nephron.
3. How the distal nephron contributes to potassium homeostasis in development.
Lisa M. Satlin, M.D., Professor of Pediatrics, Mount Sinai School of Medicine. New York, NY

- 9:30 URINARY MARKER (p53Pro72Arg) ASSOCIATION WITH PROTEINURIA AND FOCAL SEGMENTAL GLOMERULOSCLEROSIS (FSGS)**
RP Woroniecki, MM Subtirelu, JR Ferdinand, FJ Kaskel
Bronx, NY– *Abstract 37*
- 9:45 INHIBITION OF HSP-72 INDUCTION IN INJURED RENAL TUBULAR CELLS BY TRANSCRIPTION FACTOR DECOY**
M Riordan, G Thulin A Mann, M Kashgarian, NJ Siegel
New Haven, CT– *Abstract 38*
- 10:00 CYTOPROTECTIVE EFFECTS OF HSP-70 OVER EXPRESSION IN A CELLULAR MODEL OF ACUTE ISCHEMIC INJURY**
M Riordan, G Thulin, A Mann, S van Why, M Kashgarian, NJ Siegel
New Haven, CT– *Abstract 39*

NEUROLOGY

Regency C Room

Jan B. Wollack, M.D., Ph.D., presiding

8:00 AMPLITUDE-INTEGRATED EEG IN PRETERM INFANTS

J Sisman, DE Campbell, LP Brion
Bronx, NY– *Abstract 40*

8:15 ACUTE DISSEMINATED ENCEPHALOMYELITIS: A RETROSPECTIVE PEDIATRIC SERIES

RA McGovern, FJ DiMario
Hartford, CT– *Abstract 41*

8:30 CHARACTERIZATION OF A1 ADENOSINE RECEPTORS IN OLIGODENDROCYTES

T Othman, H-L Yan, S Rivkees
New Haven CT– *Abstract 42*

8:45 COFFEE BREAK

9:00 FEATURED TALK: “Neurotoxicity, Neuroprotection and Folate Transport”

Objectives: 1. To understand mechanisms of neurotoxicity shared by chemotherapeutic drugs and hypoxic-ischemic injuries, and some of the pharmacologic strategies which can protect against these injuries.

2. To learn about the possible influence of folic acid on toxicity.

3. To learn about how folic acid is transported into and regulated in the brain.

Jan B. Wollack, M.D., Ph.D., Associate Professor of Pediatrics, University of Medicine and Dentistry of New Jersey (UMDNJ). New Brunswick, NJ

9:30 BUTYRATE - INDUCED CALCIUM TRANSIENTS AND REGULATION OF NEUROTRANSMITTER-RELATED GENE EXPRESSION IN PC12 CELLS

MT Zia, MH Decastro, K Krishnan, BB Nankova, EF LaGamma
Valhalla, NY– *Abstract 43*

9:45 THE ROLE OF PROTEIN KINASE A IN THE TRANSCRIPTIONAL ACTIVATION OF NEUROTRANSMITTER- RELATED GENES BY BUTYRATE

MH DeCastro, M Zia, PV Mally, BB Nankova, EF LaGamma
Valhalla, NY; New York, NY– *Abstract 44*

10:00 CHARACTERISTICS THAT DISTINGUISH ACCIDENTAL FROM ABUSIVE HEAD INJURY IN YOUNG HOSPITALIZED PATIENTS

K Bechtel, K Stoessel, J Leventhal, E Ogle, B Teague, S Lavietes, B Banyas, K Allen, C Duncan
New Haven, CT– *Abstract 45*

**PLENARY SESSION
REGENCY ROOM G
Luc P. Brion, M.D. and M. Susan Moyer, M.D., presiding
Saturday March 22, 2003
11:00 a.m. – 12:00 p.m.**

11:00 am WELCOME AND INTRODUCTIONS

11:10 am PLENARY SPEAKER

Rudolph Leibel, M.D.
*Professor of Pediatrics and Medicine
Head, Division of Molecular Genetics
Co-Director, Naomi Berrie Diabetes Center
College of Physicians and Surgeons, Columbia University*

“Molecular Physiology of Weight Regulation in Mice and Humans”

Objectives:

- 1. Review bioenergetics of weight homeostasis**
- 2. Review genetic bases for control of energy intake and expenditure**
- 3. Discuss molecular physiology of response to weight perturbation in humans.**

**5th ANNUAL LUNCH WITH THE PROFESSORS EDUCATIONAL PROGRAM
PEMBERWICK ROOM
12:00 p.m. – 1:30 pm**

Roger F. Soll, M.D.
*Professor of Pediatrics
University of Vermont College of Medicine/FAHC
Burlington, VT*

Frederick Suchy, M.D.
*Herbert H. Lehman Professor of Pediatrics
Chairman, Jack & Luch Clark Department of Pediatrics
Physician-in-Chief
Mt. Sinai School of Medicine
New York, NY*

**BUSINESS MEETING
Luc P. Brion, M.D. and M. Susan Moyer, M.D., presiding
REGENCY G ROOM
12:00 p.m. - 12:30 p.m.**

Open To All ESPR Members

SATURDAY, MARCH 22, 2003

1:30 pm – 3:30 pm

CONCURRENT SCIENTIFIC ABSTRACT SESSIONS

DEVELOPMENTAL BIOLOGYWinthrop AB Room
GASTROENTEROLOGYRegency B Room
GENERAL PEDIATRICSMead AB Room
HEMATOLOGY-ONCOLOGY.....Regency C Room

DEVELOPMENTAL BIOLOGY

Winthrop AB Room

Clifford W. Bogue, M.D., presiding

- 1:30 VASCULAR ENDOTHELIAL GROWTH FACTOR ENHANCES LUNG MATURITY IN TRANSGENIC MICE WHILE CONTRIBUTING TO LUNG INJURY IN THE HYPEROXIA-EXPOSED NEWBORN
V Bhandari, CG Lee, C Tang, SA Rooney, RJ Homer, JA Elias
New Haven, CT– *Abstract 46*
- 1:45 PRODUCTION OF PROSTAGLANDIN E2 IN PRETERM PLACENTA: ROLE OF CYCLOOXYGENASE INHIBITORS
L Bonifacio, P Reddy, S Han, B Weinberger, D Laskin, S Sharma, N Hanna
New Brunswick, NJ; Piscataway, NJ; Providence, RI– *Abstract 47*
- 2:00 MOLECULAR & INTRACELLULAR MECHANISMS OF ACTION OF SHORT CHAIN FATTY ACIDS (SCFA'S) ON NEUROTRANSMITTER-RELATED GENE EXPRESSION
P Mally, M Decastro, B Nankova, EF LaGamma
Valhalla, NY– *Abstract 48*
- 2:15 ORGAN AND DEVELOPMENT-SPECIFIC DIFFERENCES IN RESPONSE TO ErbB RECEPTOR LIGANDS
L Konnikova, CEL Dammann, L Pham, HC Nielsen
Boston, MA; Hannover, Germany– *Abstract 49*
- 2:30 THE ANGIOGENIC FACTOR MIDKINE IS REGULATED BY DEXAMETHASONE AND RETINOIC ACID DURING ALVEOLIZATION AND IN TYPE II ALVEOLAR EPITHELIAL CELLS
RC Savani, GS Mohan, Z Cui, A Zaman, JP Foley, F Kaplan, N Sweezy, LW Gonzales, HM DeLisser, PL Ballard
Philadelphia, PA; Montreal, Quebec, Canada; Toronto, Ontario, Canada– *Abstract 50*
- 2:45 MYOMETRIAL MAXI-K CHANNEL EXPRESSION DURING MOUSE PREGNANCY
H Zhou, B Zavilowitz, I Holzman, LM Satlin
New York, NY– *Abstract 51*

<p>3:00 FEATURED TALK: “The Homeobox Gene Hex Plays Multiple Roles During Organogenesis” Objectives: 1. To elucidate the stages of liver development. 2. To understand how homeobox genes control embryonic development. 3. To understand the effects of Hex gene deletion on liver and heart development. Cliff W. Bogue, M.D., Associate Research Scientist, Department of Pediatrics, Yale University School of Medicine. New Haven, CT</p>

GASTROENTEROLOGY

Regency B Room

Nancy B. Spinner, Ph.D., presiding

- 1:30 **PHOSPHATIDYLINOSITOL 3-KINASE AND VACUOLAR ATPASE REGULATE SENSITIZATION OF ALCOHOLS TO PANCREATIC ZYMOGEN ACTIVATION.**
SZ Husain, TR Kolodecik, FS Gorelick
New Haven, CT– *Abstract 52*
- 1:45 **EFFECTS OF INFlixIMAB ON APOPTOSIS AND REVERSE SIGNALING OF MONOCYTES**
M Ringheanu, J Markowitz, A Chawla, F Daum, XY Lin, Z Zhou, J Silver
Manhasset, NY– *Abstract 53*
- 2:00 **BILE ACID INDUCED NEGATIVE FEEDBACK REGULATION OF THE HUMAN ILEAL BILE ACID TRANSPORTER IS MEDIATED BY THE FARNESOID X-RECEPTOR (FXR), THE SHORT HETERODIMER PARTNER (SHP), AND THE RETINOID X RECEPTOR (RAR/RXR).**
E Neimark, F Chen, BL Shneider
New York, NY– *Abstract 54*
- 2:15 **SCREENING TESTS FOR BACTERIAL GASTROENTERITIS IN CHILDREN: A DECISION ANALYSIS**
LD Arnold, MH Gorelick
New Haven, CT; Milwaukee, WI– *Abstract 55*
- 2:30 **EFFECTS OF SHORT CHAIN FATTY ACIDS IN INDUCING COLONIC MUCOSAL INJURY AT DIFFERENT POSTNATAL AGES**
SM Nafday, IR Holzman, J Ling– *Abstract 56*
New York, NY
- 2:45 **ISOLATED PERFORATION OF THE BOWEL: MATERNAL AND INFANT RISK FACTORS**
K Oski, A Vidwans, N Hussain, M Pappagallo
Farmington, CT– *Abstract 57*

- 3:00 **FEATURED TALK: “Jagged1 in Alagille syndrome and related disorders”**
Objectives:
1. Understand the current knowledge of the function of Jagged1 and the Notch signaling pathway, an important evolutionarily conserved signal transduction pathway.
 2. Understand the types of JAG1 mutations associated with Alagille syndrome, the percentage of Alagille syndrome patients who demonstrate JAG1 mutations, and the mechanisms that are currently understood.
 3. Understand the genetics of Alagille syndrome and the importance of variable expressivity (and the range of clinical features associated with a Jagged1 mutation).
- Nancy B. Spinner, Ph.D., Associate Professor of Pediatrics, Children’s Hospital of Philadelphia, University of Pennsylvania. Philadelphia, PA

GENERAL PEDIATRICS

Mead AB Room

Philip O. Ozuah, M.D., Ph.D., presiding

- 1:30 **CARDIAC EXAMINATION SKILLS OF PEDIATRIC RESIDENTS**
S Chakravarti, L Dattner, PO Ozuah
Bronx, NY– *Abstract 58*
- 1:45 **EFFECTIVENESS OF WRITTEN ASTHMA ACTION PLANS**
F Motlow, S Braganza, I Sharif, PO Ozuah
Bronx, NY– *Abstract 59*
- 2:00 **WHAT DO KIDS THINK OF WHITE COATS?**
JA Meltzer, PO Ozuah
Bronx, NY– *Abstract 60*

- 2:15 PHYSICIANS' ABILITY TO USE METERED DOSE INHALER WITH SPACER DEVICES**
K Iheagwara, I Sharif, PO Ozuah
Bronx, NY– *Abstract 61*
- 2:30 A STUDY OF RESIDENTS' CAREER DECISION-MAKING**
L Dattner, S Chakravarti, PO Ozuah
Bronx, NY– *Abstract 62*
- 2:45 CLASSIFYING ASTHMA SEVERITY: ASTHMA SYMPTOM DIARY OR SYMPTOM RECALL?**
M Reznik, I Sharif, PO. Ozuah
Bronx, NY– *Abstract 63*
- 3:00 ASSESSING THE ACCURACY OF REPORTS OF HOME SAFETY PRACTICES**
S Caddle, PO Ozuah
Bronx, NY– *Abstract 64*

<p>3:15 FEATURED TALK: “Mercury: A New Look at an Old Metal” Objectives: 1. Understand the historical context of mercury poisoning. 2. Identify the primary routes of exposure for the three forms of mercury. 3. Recognize similarities and differences between Kawasaki disease and Mercury toxicity. Philip O. Ozuah, M.D., Ph.D., Associate Professor of Clinical Pediatrics, Albert Einstein College of Medicine, Vice Chairman for Clinical and Educational Affairs, Children’s Hospital at Montefiore. Bronx, NY</p>
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HEMATOLOGY/ONCOLOGY

Regency Room C

Christopher N. Frantz, M.D., presiding

- 1:45 A PILOT STUDY OF NEUROCOGNITIVE OUTCOMES AMONG PATIENTS WITH CHILDHOOD ACUTE LYMPHOBLASTIC LEUKEMIA (ALL) RANDOMIZED TO PREDNISONE OR DEXAMETHASONE.**
NS Kadan-Lottick, FS Anderson, SF Sencer, RS Ziegler, JP Neglia
New Haven, CT; Minneapolis, MN– *Abstract 65*
- 2:00 DIFFERENCES IN INTRACELLULAR METABOLISM MAY ACCOUNT FOR THE INCREASED POTENCY AND UTILITY OF AMINOPTERIN RELATIVE TO METHOTREXATE.**
PD Cole, AK Smith, BA Kamen
New Brunswick, NJ– *Abstract 66*
- 2:15 SOMATIC *PTPN11* MUTATIONS IN JUVENILE MYELOMONOCYTIC LEUKEMIA, MYELODYSPLASTIC SYNDROMES AND ACUTE MYELOID LEUKEMIA**
M Tartaglia, CM Niemeyer, A Fragale, X Song, J Buechner, Hahlen, H Hasle, A Jung, JD Licht, BD Gelb
New York, NY; Rome, Italy; Freiburg, Germany; Rotterdam, Netherlands; Aarhus, Denmark; Erlangen, Germany–
Abstract 67
- 2:30 C-SRC BINDS ALPHA II SPECTRIN'S SH3 DOMAIN AND BLOCKS CALPAIN SUSCEPTIBILITY BY PHOSPHORYLATING TYR1176**
JH Nedrelow, CD Cianci, JS Morrow
New Haven, CT– *Abstract 69*

- 2:45 FEATURED TALK: “Biology of Neuroblastoma in Neonates and Infants”**
Objectives: 1. Describe the biology underlying the prenatal and subsequent development of neuroblastoma in infants.
2. Explore the process of spontaneous regression of neuroblastoma in infants.
3. Understand the basis for the systematic observation of neuroblastoma.
Christopher N. Frantz, M.D., Chief, Pediatric Hematology/Oncology, Alfred I. DuPont Hospital for Children, Wilmington, DE

[Note: Abstract 68 will be presented at the Pulmonary and Critical Care Session on Sunday]

EASTERN SOCIETY FOR PEDIATRIC RESEARCH

YOUNG INVESTIGATOR AWARD FINALISTS

PLENARY SESSION

REGENCY G ROOM

SATURDAY, MARCH 22, 2003

3:45 – 5:45 pm

Luc P. Brion, M.D. and Rashmin C. Savani, MBChB, presiding

3:45 pm – 4:45 pm

FEATURED SPEAKER

Scott Rivkees, M.D.

*Associate Professor, Director, Yale Child Health Research Center
Yale University School of Medicine
New Haven, CT*

“Adenosine...The Missing Link in Neonatal White Matter Injury?”

Objectives:

- 1. Review mechanisms of adenosine action**
- 2. Review white matter disease in preterm infants**
- 3. Discuss how adenosine damages developing neurons**
- 4. Discuss how adenosine receptor activation may lead to white matter injury**

4:45 pm – 5:45 pm

YOUNG INVESTIGATOR AWARD FINALISTS

4:45 TUMOR NECROSIS FACTOR IS CRITICAL TO RESPIRATORY DISTRESS AND SURFACTANT PROTEIN B DEFICIENCY AFTER ACUTE LUNG INJURY

JM Gray, JP Foley, PL Ballard, RC Savani
Philadelphia, PA– *Abstract 70*

5:00 THE ROLE OF *Hex* IN EMBRYONIC MYOCYTE DEVELOPMENT AND FUNCTION

HA Hallaq, C Wilson, H Vasavada, CW Bogue
New Haven, CT– *Abstract 71*

5:15 DEFICIENCY OF THE THIAMIN CARRIER, THT1, IN MICE CAUSES MALE INFERTILITY DUE TO MEIOTIC ARREST AND GERM CELL APOPTOSIS

K Oishi, GA Diaz, M Barchi, BD Gelb
New York, NY– *Abstract 72*

5:30 POSTNATAL MATURATION OF FLOW-DEPENDENT K SECRETION IN THE RABBIT CORTICAL COLLECTING DUCT

C Woda, N Miyawaki, LM Satlin
New York, NY– *Abstract 73*

Saturday Evening, MARCH 22, 2003

6:00 pm - 7:30 pm

Poster Session and Cocktail Reception

Regency A Room

POSTER SESSION II

COMPARING PERIPHERAL-VEIN TO CENTRAL-VEIN OXYGEN SATURATION

S Scafi, AC Stock, PO Ozuah
Bronx, NY– *Abstract 74*

DO WRITTEN ASTHMA DISCHARGE PLANS IMPROVE OUTCOMES?

K Franco, I Sharif, PO Ozuah
Bronx, NY– *Abstract 75*

RECURRENT SIGMOID VOLVULUS IN A SIXTEEN YEAR OLD BOY: CASE REPORT AND REVIEW OF THE LITERATURE

MN Ton, C Ruzal-Shapiro, C Stolar, PG Kazlow
New York, NY– *Abstract 76*

HERPES ESOPHAGITIS IN AN IMMUNOCOMPETENT 5-YEAR-OLD BOY: CASE REPORT AND LITERATURE REVIEW

AR Turkish, SJ Lobritto
New York, NY– *Abstract 77*

DO WRITTEN ASTHMA ACTION PLANS INCREASE ANTI-INFLAMMATORY THERAPY USE?

S Braganza, I Sharif, PO Ozuah
Bronx, NY– *Abstract 78*

DOES DOCUMENTING ASTHMA SEVERITY INCREASE ANTI-INFLAMMATORY THERAPY USE?

S Braganza, I Sharif, PO Ozuah
Bronx, NY– *Abstract 79*

EFFECT OF COMPLEMENTARY THERAPIES ON LUNG FUNCTION IN ASTHMATICS

M Reznik, I Sharif, PO Ozuah
Bronx, NY– *Abstract 80*

IS RECENT HOSPITALIZATION A MARKER FOR PERSISTENT ASTHMA?

M Reznik, I Sharif, PO Ozuah
Bronx, NY– *Abstract 81*

EFFECTIVENESS OF RUBBING OINTMENTS IN ADOLESCENTS WITH ASTHMA

M Reznik, I Sharif, PO Ozuah
Bronx, NY– *Abstract 82*

RESIDENTS' COMPETENCIES IN DIAGNOSING OTITIS MEDIA

J Chianese, PO Ozuah
Bronx, NY– *Abstract 83*

IMPROVING RESIDENTS' COMPETENCY IN OTITIS MEDIA DIAGNOSIS

J Chianese, PO Ozuah
Bronx, NY– *Abstract 84*

INHALED NITRIC OXIDE (iNO) REDUCES THE MAGNITUDE OF RESPIRATORY SUPPORT IN INFANTS WITH CHRONIC LUNG DISEASE (CLD) OF PREMATURITY

A Kunig, K Solarin, A Haynes-Laing, V Bhutani
Wilmington, DE; Philadelphia, PA– *Abstract 85*

NEURODEVELOPMENTAL OUTCOME OF PRETERM INFANTS WITH ANTENATAL VS. POSTNATAL PERIVENTRICULAR LEUKOMALACIA

MA Padula, KH Leef, DA Paul
Wilmington, DE; Philadelphia, PA; Newark, DE– *Abstract 86*

IS A CLINICIAN'S RATIONALE AN ACCEPTABLE DEFINITION OF NEONATAL SEPSIS?

P Patel, A Dudhbhai, P Shah, D Dozor, S Marchwinski, N Satou, H Brumberg, EF LaGamma
Valhalla, NY– *Abstract 87*

RIGHT-SIDED PNEUMATOCELE –A MANIFESTATION OF VENTILATOR INDUCED LUNG INJURY IN VERY-LOW-BIRTH-WEIGHT INFANTS

P Sharma, M Pappagallo, B Jagjivan, N Hussain
Farmington, CT– *Abstract 88*

EARLY DEVELOPMENT OF DIABETIC NEPHROPATHY IN ADOLESCENT TYPE 2 DIABETES NEPHROPATHY

LM Ettinger, J DiMartino-Nardi, JT Flynn
Bronx, New York– *Abstract 89*

INVASIVE ESCHERICHIA COLI INFECTIONS FOLLOWING VOIDING CYSTOUGROGRAPHY IN NEONATES

I Gershin, D Balsam, DS Gromisch, SP Katz
East Meadow, NY; Stony Brook, NY– *Abstract 90*

ACUTE RENAL FAILURE IN A PEDIATRIC RENAL ALLOGRAFT RECIPIENT TREATED WITH INTRAVENOUS IMMUNOGLOBULIN FOR PARVOVIRUS B19 INDUCED RED CELL APLASIA

MM Subtirelu, D Feuerstein, R Schechner, J Pullman, J Flynn, M Del Rio
Bronx, NY– *Abstract 91*

PARVOVIRUS B19 INDUCED RED CELL APLASIA IN A PEDIATRIC RENAL ALLOGRAFT RECIPIENT

MM Subtirelu, D Feuerstein, R Schechner, J Pullman, J Flynn, M Del Rio
Bronx, NY– *Abstract 92*

7:30 pm EASTERN SOCIETY FOR PEDIATRIC RESEARCH COUNCIL DINNER

Sunday Morning, MARCH 23, 2003

9 am – 10:15 am

EASTERN SOCIETY FOR PEDIATRIC RESEARCH

Young Investigator Award Presentation

Fifth Annual ESPR Mentor Award Presentation

PLENARY SESSION

REGENCY G ROOM

Luc P. Brion, M.D., Presiding

9:00 am ANNOUNCEMENT OF YOUNG INVESTIGATOR AWARD

9:10 am ANNOUNCEMENT OF 5th ANNUAL ESPR “MENTOR AWARD”

Sponsored by Ross Products Division of Abbott Laboratories

9:15 am – 10:00 am PLENARY SPEAKER

Robert “Skip” Nelson, M.D., Ph.D.

*Associate Professor of Anesthesia and Pediatrics
Chair, Committees for the Protection of Human Subjects
The Children’s Hospital of Philadelphia, PA*

“Exploring the Ethical Basis of Pediatric Research Regulations”

- Objectives:**
- 1. Examine the relationship between the pediatric regulations and parental authority**
 - 2. Understand the restrictions on risk exposure and justification of benefits in the pediatric research regulations**
 - 3. Appreciate the different and inter-related roles of parental permission and child assent**

SUNDAY, MARCH 23, 2003

10:15 am – 1:15 pm

CONCURRENT SCIENTIFIC ABSTRACT SESSIONS

CARDIOLOGY.....Regency C Room
ENDOCRINOLOGY/GENETICS/METABOLISM.....Regency B Room
NEONATOLOGY II.....Regency A Room
PULMONARY/CRITICAL CARE.....Winthrop AB Room

CARDIOLOGY

Regency C Room

Steven E. Lipshultz, M.D., presiding

10:15	FEATURED TALK: “Pediatric Cardiomyopathy” Objectives: 1. To understand the epidemiology of pediatric cardiomyopathy. 2. To determine the etiologies of pediatric cardiomyopathy. 3. To appreciate the differences in outcome associated with different types of pediatric cardiomyopathy or presenting factors. Steven E. Lipshultz, M.D., Professor of Pediatrics and Oncology, Chief of Pediatric Cardiology. University of Rochester Medical Center and Golisano Children's Hospital at Strong, Rochester, NY
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- 10:45 **ACUTE POSTOPERATIVE ARRHYTHMIAS AFTER CARDIAC SURGERY IN CHILDREN**
JW Delaney, J Moltedo, J Dziura, C Snyder
New Haven, CT– *Abstract 93*
- 11:00 **PDGF-STIMULATED VASCULAR SMOOTH MUSCLE CELL MIGRATION REQUIRES THE CAVEOLAR ASSOCIATION OF THE HYALURONAN RECEPTOR RHAMM**
A Zaman, RC Savani
Philadelphia, PA– *Abstract 94*
- 11:15 **IS EXERCISE TESTING A COST EFFECTIVE METHOD TO RISK ASSESS PEDIATRIC PATIENTS WITH WOLFF-PARKINSON-WHITE SYNDROME?**
J Moltedo, R Iyer, H Forman, J Fahey, G Rosenthal, C Snyder
New Haven, CT; Cleveland, OH– *Abstract 95*
- 11:30 **INTRACELLULAR CALCIUM PLAYS AN ESSENTIAL ROLE IN CARDIAC DEVELOPMENT**
GA Porter, Jr, RF Makuck, SA Rivkees
New Haven, CT– *Abstract 96*
- 11:45 **SUCCESS OF BLOOD PRESSURE CONTROL IN THE PEDIATRIC AMLODIPINE TRIAL**
J Flynn, S Daniels, J Newburger, JP Saul, S Sanders, J Revkin, R Hogg
Bronx, NY; Cincinnati, OH; Boston, MA; Charleston, SC; Durham, NC; Groton, CT; Dallas, TX– *Abstract 97*

ENDOCRINOLOGY, GENETICS AND METABOLISM

Regency B Room

Ian Krantz, M.D., presiding

10:15 **FEATURED TALK: “The Genetics of Hearing Loss”**
Objectives: 1. To provide an overview of the various forms of hearing loss and the current recommendations for workup and evaluation
2. To impart an understanding of the significant contribution that Genetics makes to the etiology of hearing loss
3. To outline the current approach and future directions of Genetic testing in individuals with hearing loss
Ian Krantz, M.D., Assistant Professor of Pediatrics, Children’s Hospital of Philadelphia, University of Pennsylvania, Philadelphia, PA

10:45 **FUNCTIONAL CHARACTERIZATION OF SHP-2 MUTANTS CAUSING NOONAN SYNDROME**
A Fragale, M Tartaglia, J Wu, BD Gelb
New York, NY; Rome, Italy; Tampa, FL– *Abstract 98*

11:00 **ASSOCIATION BETWEEN IL-1RA POLYMORPHISMS AND SUSCEPTIBILITY TO SEPSIS IN NEONATES**
M Manne, L Wu, S Kachala, NN Hanna, M Hiatt, T Hegyi, RS Burd
New Brunswick, NJ– *Abstract 99*

11:15 **NATURE VERSUS NURTURE: IS BRONCHOPULMONARY DYSPLASIA (BPD) IN PREMATURE INFANTS GENETICALLY PROGRAMMED?**
S Strassberg, I Godi, D Netta, A Dudhbbhai, LA Parton
Valhalla, NY– *Abstract 100*

11:30 **COFFEE BREAK**

11:45 **FEATURED TALK: “Structural and Functional Studies of the Bone Protein Osteocalcin: Under Normal and Lead Toxicant Conditions”**
Objectives: Bone is the major reservoir for body lead and osteocalcin is a major noncollagenous bone protein involved in bone remodeling. Little is known about the structure of bone proteins nor the effect of lead on proteins. A comparison of the effect of lead and calcium on the bone binding properties and structure of osteocalcin will be reported. A high resolution 3 dimensional structure of Ca²⁺-osteocalcin will be shown. A molecular mechanism for osteocalcin binding to bone mineral will be discussed. Implications for lead toxicity in bone will be discussed.
Terry Dowd, Ph.D., Assistant Professor of Pediatrics, Albert Einstein College of Medicine, Children’s Hospital at Montefiore. Bronx, NY

12:15 **ERYTHROCYTE MEMBRANE CYTOSKELETAL PROTEIN 4.1G BINDS TO THE THIRD INTRACELLULAR LOOP OF A1 ADENOSINE RECEPTOR AND INHIBITS A1AR ACTION**
D Lu, H Yan, T Othman, Z Zhao, SA Rivkees
New Haven, CT– *Abstract 101*

12:30 **SHOX GENE ABNORMALITIES IN CHILDREN WITH SHORT STATURE OF UNDETERMINED ETIOLOGY**
S Reddy, S Blakely, D Bowlby, E Wallach, J Semberger, R Moghaddas, F Greig, L Iazzetti, M Stene, R Rapaport
New York, NY; Calabasas Hills, CA– *Abstract 102*

12:45 **TRANSIENT HYPOTHYROXINEMIA AND OUTCOME IN TERM INFANTS WITH RESPIRATORY DISTRESS**
DJ Lim, KH Leef, LE Bartoshesky, DA Paul
Wilmington, DE; Philadelphia, PA; Newark, DE– *Abstract 103*

1:00 **HOMOCYSTEINE LEVELS IN PRETERM INFANTS: IS THERE AN ASSOCIATION WITH INTRAVENTRICULAR HEMORRHAGE AND PERIVENTRICULAR LEUKOMALACIA?**
WJ Sturtz, KH Leef, S Sharma, T Bottiglieri, DA Paul
Newark, DE; Philadelphia, PA; Dallas, TX– *Abstract 104*

NEONATOLOGY II

Regency A Room

Sherry E. Courtney, M.D., presiding

- 10:15 COMPLIANCE AND SURFACTANT ARE ALTERED BY INHALED NITRIC OXIDE IN THE BABOON MODEL OF CHRONIC LUNG DISEASE**
LW Gonzales, PL Ballard, M Godinez, R Godinez, DC McCumin, BA Yoder, JD Kereczman, VT Winter, PH Grubb, JJ Coalson, PW Shaul
Philadelphia, PA; San Antonio, TX; Dallas, TX– *Abstract 105*
- 10:30 VARIABLES ASSOCIATED WITH THE FAILURE OF BUBBLE NASAL CPAP IN VERY LOW BIRTH WEIGHT INFANTS <1250 GRAMS**
A Ammari, M Suri, V Milisavljevic, D Bateman, R Sahni, U Sanocka1, C Ruzal-Shapiro, J-T Wung, R Polin
New York, NY– *Abstract 106*
- 10:45 END TIDAL CARBON MONOXIDE AND NEONATAL HYPERBILIRUBINEMIA**
S Nanjundaswamy, A Petrova, R Mehta, T Hegyi
New Brunswick, NJ– *Abstract 107*
- 11:00 CHARACTERIZATION OF THE CHANGE OF THE PULSATILE RATIO DURING NEONATAL CIRCULATORY TRANSITION**
E Diejomaoh, R Koppel
New Hyde Park, NY– *Abstract 108*
- 11:15 COFFEE BREAK**

11:30 FEATURED TALK: “Waiting for Godot - What to do in the Meantime”
Objectives: 1. To review several advances in neonatal care that may be under-utilized today.
2. To review several concepts in neonatal care that may be over-utilized or premature.
3. To encourage thought and discussion regarding implementation of new ideas.
Sherry E. Courtney, M.D., Professor of Pediatrics, Schneider Children’s Hospital, North Shore Long Island Jewish Health System, New Hyde Park, NY

- 12:00 USE OF INHALED FLUTICASONE AT ≥ 7 DAYS DOES NOT DECREASE THE NEED FOR SYSTEMIC STEROIDS IN ≤ 32 WEEKS’-GESTATIONAL-AGE INFANTS WITH LUNG DISEASE**
B Landry, M Pappagallo, Nhussain
Farmington, CT– *Abstract 109*
- 12:15 EFFECT OF L-CARNITINE SUPPLEMENTATION ON WEIGHT GAIN IN VERY LOW BIRTH WEIGHT INFANTS**
S Pande, LP Brion, DE Campbell, Y Gayle, NV Esteban-Cruciani
Bronx, NY– *Abstract 110*
- 12:30 A NEW DOSING SCHEDULE FOR GENTAMICIN IN NEONATE**
A Ammari, T Rosen
New York, NY– *Abstract 111*
- 12:45 INCIDENCE OF APNEA IN NEWBORN INFANTS STRATIFIED BY GESTATIONAL AGE AT BIRTH**
PM Kabbur, M Pappagallo, TS Rosenkrantz, N Hussain
Farmington, CT– *Abstract 112*
- 1:00 INCREASED RISK OF CARDIORESPIRATORY SYMPTOMS IN PREMATURE INFANTS PLACED IN CAR SEAT AT DISCHARGE FROM NEONATAL INTENSIVE CARE UNIT**
V Ojadi, H Rosen, M Anwar, T Hegyi, M Hiatt
New Brunswick, NJ– *Abstract 113*

PULMONARY AND CRITICAL CARE

Winthrop AB Room

Beth L. Laube, Ph.D., presiding

10:15 **FEATURED TALK: “Treating Diabetes with Aerosolized Insulin”**
Objectives: 1. Identify the advantages associated with delivering insulin as an aerosol.
2. Describe the factors that determine successful treatment of diabetes with aerosolized insulin.
3. Understand the challenges involved in taking aerosolized insulin from the laboratory to the bedside.
Beth L. Laube Ph.D., Associate Professor of Pediatrics, Johns Hopkins University. Baltimore, MD

- 10:45** **APOPTOSIS RESULTING FROM HYPEROXIA-MEDIATED LUNG INJURY IS MITIGATED IN THE PRESENCE OF ANTI-INFLAMMATORY CYTOKINES**
A Dudhbhai, I Godi, L Parton
Valhalla, NY– *Abstract 114*
- 11:00** **EXPRESSION OF TWO THYROID TRANSCRIPTION FACTOR-1 (TTF-1) TRANSCRIPTS IN DIFFERENTIATING HUMAN FETAL LUNG TYPE II CELLS**
V Kolla, LW Gonzales, P Wang, S Angampalli, PL Ballard
Philadelphia, PA– *Abstract 115*
- 11:15** **VASCULAR ENDOTHELIAL GROWTH FACTOR RESULTS IN PULMONARY HEMORRHAGE, EDEMA AND INCREASED MUCUS AND ENHANCES SURVIVAL IN HYPEROXIA VIA A NITRIC OXIDE-DEPENDENT PATHWAY IN TRANSGENIC MICE**
V Bhandari, H Link, CG Lee, C Tang, P Baluk, D McDonald, RJ Homer, JA Elias
New Haven, CT; San Francisco, CA– *Abstract 116*
- 11:30** **IS PEPSINOGEN C A SURFACTANT PROTEIN B PROCESSING ENZYME?**
SH Guttentag, A Aktar, D Kopf, L Robinson, P Zhang
Philadelphia, PA– *Abstract 117*
- 11:45** **CD44 KNOCKOUT MICE DEVELOP EXAGGERATED INFLAMMATION, RESPIRATORY DISTRESS AND SURFACTANT ABNORMALITY AFTER BLEOMYCIN INJURY**
JH Kaplan, JP Foley, A Zaman, TM McDevitt, M Fehrenbach, HM DeLisser, RC Savani
Philadelphia, PA– *Abstract 118*
- 12:00** **GENE EXPRESSION PROFILES IN HUMAN ALVEOLAR TYPE 2 CELLS AFTER SUPRAPHYSIOLOGIC STRETCH**
CD Foster, LS Varghese, LW Gonzales, SS Margulies, SH Guttentag
Philadelphia, Pennsylvania– *Abstract 119*
- 12:15** **SP-D DEFICIENCY PREDISPOSES TO MORE SEVERE LUNG INFLAMMATION IN RESPONSE TO BLEOMYCIN**
JA Casey, EN Atochina, Y Tomer, RC Savani, S Hawgood, MF Beers
Philadelphia, PA; San Francisco, CA– *Abstract 120*
- 12:30** **ROLE OF HEAT SHOCK PROTEIN-60 (HSP-60) AND TOLL-LIKE RECEPTOR-4 (TLR4) IN REDUCED APOPTOSIS OF NEONATAL PMN**
J Tioseco, N Rashid, P Pham, N Hanna, JD Laskin, DL Laskin, B Weinberger
Piscataway, NJ– *Abstract 68*

1:15 pm MEETING ADJOURNED