

Midwest Society for Pediatric Research

PROGRAM

September 22-23, 2016

Ann & Robert H. Lurie

Children's Hospital of Chicago, Department of Pediatrics

Northwestern University Feinberg School of Medicine

Chicago, Illinois



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PROGRAM-AT-A-GLANCE

57th Annual Midwest Society for Pediatric Research Scientific Meeting

**Ann & Robert H. Lurie Children's Hospital of Chicago
Chicago, Illinois**

TIME	ACTIVITY AND LOCATION
	WEDNESDAY, SEPTEMBER 21, 2016
4:45 pm - 6:15 pm	MWSPR Council Meeting Mr. & Mrs. Andrew J. McKenna Board Room 12th Floor, Room 12-372, Lurie Children's
6:30 pm - 9:30 pm	MWSPR Council Dinner Green River, 259 E. Erie 18th Floor <i>(tentative)</i>
	THURSDAY, SEPTEMBER 22, 2016
7:00 am - 8:00 am	MWSPR Registration Continental Breakfast The Robert R. McCormick Foundation Auditorium 11th Floor, Lurie Children's
7:00 am - 8:00 am	Poster Set Up The Robert R. McCormick Foundation Auditorium 11th Floor, Lurie Children's
8:00 am - 11:20 am	MWSPR Plenary Session I Auditorium
11:20 am - 11:35 pm	MWSPR Business Meeting for Members The Robert R. McCormick Foundation Auditorium 11th Floor, Lurie Children's
11:35 am - 1:30 pm	Founder and Sutherland Award Luncheon The Robert R. McCormick Foundation Auditorium 11th Floor, Lurie Children's
1:30 pm - 4:45 pm	MWSPR Plenary Session II The Robert R. McCormick Foundation Auditorium 11th Floor, Lurie Children's
5:00 pm - 7:15 pm	Reception and Combined Poster Session The Robert R. McCormick Foundation Auditorium 11th Floor, Lurie Children's
7:15 pm	Poster Take Down <i>(immediately following Session)</i>
	FRIDAY, SEPTEMBER 23, 2016
7:00 am - 8:00 am	MWSPR Registration The Robert R. McCormick Foundation Auditorium 11th Floor, Lurie Children's
7:00 am - 8:00 am	Continental Breakfast The Robert R. McCormick Foundation Auditorium 11th Floor, Lurie Children's
7:40 am - 8:30 am	Trainee Breakfast Professional Societies and Networking <i>Thomas Shanley, Chair, Pediatrics</i> <i>Lurie Children's Hospital</i> The Robert R. McCormick Foundation Auditorium 11th Floor, Lurie Children's

8:30 am – 12:30 pm	MWSPR Plenary Session III Auditorium
12:30 pm – 1:30 pm	Kenny, Metcoff, and Student Research Award Luncheon The Robert R. McCormick Foundation Auditorium 11th Floor, Lurie Children's

This meeting has been made possible in part through the generosity of our supporters and the research efforts of the faculty, fellows, residents, medical and graduate students. We are very proud of the extent and breadth of our research programs and activities, and we trust that you will enjoy the activities of the meeting. We would like to thank the abstract reviewers for their time and effort in the review process in this important endeavor.

Campus Map:

<https://www.luriechildrens.org/en-us/care-services/parking-locations/Documents/maps/lurie-childrens-main-map-english.pdf>

MWSPR Planning Committee

Heather Bartlett, MD – President
 Jeffrey Segar, MD – President-Elect
 Patrick Brophy, MD – Secretary
 Pamela Kling, MD - Treasurer
 Aaron Hamvas, MD – Meeting Chair

Acknowledgements

The Midwest Society for Pediatric Research would like to thank the following organizations for their generous support:

Abbott Nutrition
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 University of Minnesota Children's Hospital
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 Cleveland Clinic

57th Annual Midwest Society for Pediatric Research Scientific Meeting

THURSDAY, SEPTEMBER 22, 2016

8:00 am - 6:15 pm

Ann & Robert H. Lurie Children's Hospital of Chicago

The Robert R. McCormick Foundation Auditorium

11th Floor, Lurie Children's

7:00-8:00 am REGISTRATION AND CONTINENTAL BREAKFAST

8:00-8:05 WELCOME AND INTRODUCTION

Heather Bartlett, President

8:05 *State-of-the-Art Speaker*

PEDIATRIC GLUACOMA

Susan Quaggin, Chief of Nephrology

Northwestern University Feinberg School of Medicine

MWSPR PLENARY SESSION I

The Robert R. McCormick Foundation Auditorium

11th Floor, Lurie Children's

9:00 A GENETIC MODEL OF PULMONARY HYPERTENSION AND CONGENITAL DIAPHRAGMATIC HERNIA.

DJ McCulley, M Wienhold, L Selleri, and X Sun, Madison, WI and San Francisco, CA. University of Wisconsin - Madison Abstract 1

9:15 EARLY HYPEROXIA BURDEN DETECTED BY NEAR-INFRARED SPECTROSCOPY AS AN ALTERNATIVE TO PULSE OXIMETRY FOR PREDICTION OF SEVERE RETINOPATHY OF PREMATURITY.

ZA Vesoulis, CE Lust, SM Liao, SB Trivedi, and AM Mathur, Saint Louis, MO. Washington University in St. Louis Abstract 2

9:30 OVINE UTERINE SPACE RESTRICTION CAUSES DYSREGULATION OF THE RENIN ANGIOTENSIN SYSTEM IN FETAL KIDNEYS.

AS Bauer, RA Kranch-Shorthouse, GE Lopez, RR Magness, JL Segar, SE Blohowiak, and PJ Kling, Madison, WI, Tucson, AZ, and Iowa City, IA. University of Wisconsin-Madison & UnityPoint-Merit Abstract 3

9:45 MILD HYPERBILIRUBINEMIA RESULTS IN AGE-SPECIFIC NEUROCHEMICAL CHANGES IN THE HIPPOCAMPUS AND STRIATUM IN THE PRETERM GUNN RAT MODEL.

K Satrom, I Tkac, K Ennis, G Gourley, and R Rao, Saint Paul, MN and Minneapolis, MN. University of Minnesota Abstract 4

10:00 - 10:15 am BREAK

- 10:15 CORD BLOOD BIOMARKERS AND 16S RRNA PCR FOR DIAGNOSIS OF EARLY ONSET NEONATAL SEPSIS.**
LB Mithal, M Malczynski, R Yogev, HL Palac, C Qi, and K Mestan, Chicago, IL. Northwestern University Feinberg School of Medicine Abstract 5
- 10:30 THE UNIQUE NEONATAL MONOCYTE HISTONE MODIFICATION LANDSCAPE CONTRIBUTES TO NEONATAL SPECIFIC IMMUNE RESPONSES.**
JR Bermick, NJ Lambrecht, AD denDekker, SL Kunkel, NW Lukacs, CM Hogaboam, and MA Schaller, Ann Arbor, MI and Los Angeles, CA. University of Michigan Abstract 6
- 10:45 REGULATORY T CELL POPULATIONS IN CHILDREN ARE AFFECTED BY AGE AND FOOD ALLERGY DIAGNOSIS.**
AL Devonshire, BT Prince, KA Erickson, D Fuleihan, C Szychlinski, and A Singh, Chicago, IL and Columbus, OH. Northwestern University Abstract 7
- 11:00 PHENOTYPIC, GENOMIC, AND PHYLOGENETIC CHARACTERIZATION OF CLOSTRIDIUM DIFFICILE EPIDEMIC STRAIN DH IN PEDIATRIC PATIENTS.**
LK Kociolek, AR Hauser, DN Gerding, and EA Ozer, Chicago, IL. Northwestern University Feinberg School of Medicine Abstract 8
- 11:15 MWSR BUSINESS MEETING FOR NON-TRAINEES**
- 11:30 FOUNDER AND SUTHERLAND AWARD LUNCHEON**
 The Robert R. McCormick Foundation Auditorium, 11th Floor, Lurie Children's

Founder Award Recipient

*Francis Sessions Cole, III, MD
 Washington University*

Introduction by: Jeffrey Segar, MD

MWSR PLENARY SESSION II

- 1:30 LARYNGEAL MASK AIRWAY FOR SURFACTANT ADMINISTRATION IN NEONATES.**
KD Roberts, R Brown, AL Lampland, TA Leone, KD Rudser, NN Finer, WD Rich, TA Merritt, JM Kessel, SM Tipnis, EC Stepka, and MC Mammel, Minneapolis, MN, St Paul, MN, New York, NY, Minneapolis, MN, San Diego, CA, Loma Linda, CA, Madison, WI, and Jackson, MS. University of Minnesota Abstract 9
- 1:45 THE EFFECT OF PRETERM BIRTH ON FUTURE EDUCATIONAL ASSESSMENTS: A 10-YEAR LONGITUDINAL STUDY OF ALL BIRTHS IN FLORIDA.**
C Garfield, K Karbownik, K Murthy, G Faciligia, J Guryan, and D Figlio, Chicago, IL and Evanston, IL. Northwestern University Feinberg School of Medicine Abstract 10
- 2:00 DONOR HUMAN MILK AND BAYLEY SCALES OF INFANT DEVELOPMENT SCORES AT 18-22 MO IN VLBW INFANTS.**
EB Fox, P Watkins, L Kair, and TT Colaizy, Iowa City, IA. University of Iowa Abstract 11

- 2:15 PHYSIOLOGICAL APPROACH TO SODIUM SUPPLEMENTATION IN PRETERM INFANTS.**
DE Segar, EK Segar, SJ Carlson, LA Harshman, JM Dagle, WE Segar, and JL Segar, Iowa City, IA and Indianapolis, IN. University of Iowa Abstract 12
- 2:30 MORTGAGE DISCRIMINATION AND AFRICAN-AMERICAN PRETERM BIRTH RATES: AN EXPLORATORY STUDY.**
SN Suprenant, K Rankin, H Yu, and JW Collins Jr, Chicago, IL. Northwestern University School of Medicine Abstract 13
- 2:45 β -ESTRADIOL LEVELS CORRELATE WITH INCREASES IN ANGIOGENIC PROGENITOR CELLS DURING PREGNANCY.**
R Shukla, E Blue, D Haas, and L Haneline, Indianapolis, IN. Indiana University Abstract 14
- 3:00 ROLE OF EARLY PULMONARY HYPERTENSION AS A RISK FACTOR FOR BPD SEVERITY AND LATE PULMONARY HYPERTENSION IN EXTREMELY PREMATURE INFANTS.**
DC Kaluarachchi and TT Colaizy, Iowa City. University of Iowa Abstract 15
- 3:15 – 3:30 pm BREAK**
- 3:30 TERM EQUIVALENT AMPLITUDE-INTEGRATED EEG MEASURES PREDICT NEURODEVELOPMENTAL OUTCOMES IN PRETERM INFANTS.**
N El Ters, Z Vesoulis, S Liao, C Smyser, and AM Mathur, Saint Louis, MO. Washington University School of Medicine Abstract 16
- 3:45 EFFECT OF ELECTROGRAPHIC SEIZURES ON REGIONAL BRAIN VOLUMES IN NEONATAL HYPOXIC-ISCHEMIC ENCEPHALOPATHY.**
SB Trivedi, ZA Vesoulis, R Rao, D Alexopoulos, DK Thompson, S Liao, and AM Mathur, St. Louis, MO and Parkville, VIC. Washington University in St. Louis Abstract 17
- 4:00 HYPOXIA INDUCIBLE FACTOR 1-ALPHA STABILIZATION PRESERVES THE INTESTINAL MICROVASCULATURE VIA VASCULAR ENDOTHELIAL GROWTH FACTOR SIGNALING IN NEONATAL MICE.**
RM Bowker, X Yan, E Managlia, X Tan, and IG De Plaen, Skokie, IL and Chicago, IL. Northwestern University, Feinberg School of Medicine Abstract 18
- 4:15 EXPOSURE TO MATERNAL INFLAMMATION DURING PREGNANCY ALTERS THE NEWBORN'S LEVEL OF BASELINE INFLAMMATION AND DEVELOPMENT OF ITS INTESTINAL TRACT.**
TG Elgin, EM Fricke, H Gong, J Reese, and SJ McElroy, Iowa City, IA and Nashville, TN. University of Iowa Abstract 19
- 4:30 RHO KINASE INHIBITORS AS A NOVEL THERAPEUTIC FOR NECROTIZING ENTEROCOLITIS.**
JS Grothaus, C Yewen, D Wood, B Blackwood, and CJ Hunter, Chicago, IL. Northwestern University Abstract 20
- 4:45 RECEPTION AND COMBINED POSTER SESSION,** The Robert R. McCormick Foundation Auditorium, 11th Floor, Lurie Children's

See page 8 for posters

FRIDAY, SEPTEMBER 23, 2016

7:00 am - 1:30 pm

The Robert R. McCormick Foundation Auditorium
11th Floor, Lurie Children's

7:00 MWSR REGISTRATION

7:40 TRAINEE BREAKFAST SESSION

PROFESSIONAL SOCIETIES AND NETWORKING

*Thomas Shanley, Chair, Pediatrics
Lurie Children's Hospital*

MWSR PLENARY SESSION III

8:30 am - 12:30 pm

8:30 *State-of-the-Art Speaker*

WHAT IS NEW IN INFANT NUTRITION?

Frank Greer, University of Wisconsin - Madison

9:30 INHIBITION OF MONOCYTE RECRUITMENT TO THE LUNGS PROTECTS JUVENILE MICE FROM LUNG INJURY DURING INFLUENZA A VIRUS INFECTION.

BM Coates, KL Staricha, and KM Ridge, Chicago, IL. Northwestern University Abstract 21

9:45 RIBONUCLEASE 6 IS AN ANTIMICROBIAL PEPTIDE ABUNDANT IN HUMAN MONOCYTES AND MACROPHAGES.

RS Easterling, MB Becknell, and JD Spencer, Seville, OH and Columbus, OH. University of Toledo College of Medicine Abstract 22

10:00 THE CONTRIBUTION OF INSULIN TO RENAL BACTERIAL DEFENSE AND ANTIMICROBIAL PEPTIDE PRODUCTION.

MJ Murtha, T Eichler, J Metheny, R Li, B Becknell, and J Spencer, Columbus, OH. The Ohio State University Abstract 23

10:15-10:30 Break

10:30 EFFECTS OF MATERNAL METFORMIN EXPOSURE DURING LACTATION ON LACTATION CHARACTERISTICS AND MOUSE OFFSPRING METABOLIC HEALTH.

B Gregg, J Brill, N Botezatu, H Hafner, and MR Smith, Ann Arbor, MI. University of Michigan Abstract 24

10:45 WHITE MATTER INJURY IN A THROMBOXANE ANALOG-INDUCED MODEL OF INTRAUTERINE GROWTH RESTRICTION.

CL Jill, K Farrow, C Fung, and ML Dizon, Chicago, IL and Salt Lake City, UT. Northwestern University Abstract 25

- 11:00 PHLEBOTOMY-INDUCED ANEMIA AND TREATMENT WITH ERYTHROPOIETIN ALTERS MAMMALIAN TARGET OF RAPAMYCIN (MTOR) SIGNALING IN THE NEONATAL MOUSE HIPPOCAMPUS.**
DJ Wallin, TG Zamora, M Alexander, PV Tran, K Ennis, and MK Georgieff, Minneapolis, MN. University of Minnesota Abstract 26
- 11:15 AEROSOLIZED SURVANTA IN NEONATAL RESPIRATORY DISTRESS SYNDROME: PHASE I STUDY.**
E Osip, A Bochenek, K Talebi, L Gohlke, M Kolli, J Cortez, and BG Sood, Detroit, MI. Wayne State University Abstract 27
- 11:30 THE W792R MISSENSE MUTATION IN CARDIAC MYOSIN BINDING PROTEIN-C CAUSES DISEASE THROUGH HAPLOINSUFFICIENCY.**
DF Smelter, WJ De Lange, and JC Ralphe, Madison, WI. University of Wisconsin-Madison Abstract 28
- 11:45 THE ROLE OF MITOCHONDRIAL DYNAMISM IN DEVELOPMENTALLY PROGRAMMED HEART DISEASE.**
KH Sabey, KS Mdaki, TD Larsen, EJ Louwagie, and ML Baack, Sioux Falls, SD. University of South Dakota Abstract 29
- 12:00 PEDIATRIC END STAGE HEART FAILURE EPIGENETICALLY REGULATES CARDIAC PROGENITOR CELL PHENOTYPE.**
CL Epting, HS Carr, NY Du, S Haymond, and CL Backer, Chicago, IL. Northwestern University Abstract 30
- 12:15 DYSREGULATED INSULIN-LIKE GROWTH FACTOR-1 (IGF-1) EXACERBATES HYPEROXIA-INDUCED LUNG INJURY AND PULMONARY HYPERTENSION IN A THROMBOXANE ANALOG-INDUCED MODEL OF INTRAUTERINE GROWTH RESTRICTION.**
KN Farrow, HJ Cardona, ME Robbins, JM Taylor, AS Brown, and C Fung, Chicago, IL and Salt Lake City, UT. Northwestern University Abstract 31
- 12:30 pm – 1:30 pm MWSPR Kenny, Metcoff, and Student Research Award Luncheon**
The Robert R. McCormick Foundation Auditorium, 11th Floor, Lurie Children's

**RECEPTION AND COMBINED POSTER SESSION
THURSDAY, SEPTEMBER 22, 2016**

The Robert R. McCormick Foundation Auditorium
11th Floor, Lurie Children's

<u>Poster Number</u>		<u>Abstract Number</u>
1	VACCINE UPTAKE AMONG FATHERS IN THE NEWBORN NURSERY. <i>C Abbott, J Kelzman, S Patel, J Rutsohn, D Kotis, M Shah, and C Garfield, Chicago, IL. Northwestern University Feinberg School of Medicine</i>	Abstract 32
2	PEDIATRIC MALNUTRITION: MULTIDISCIPLINARY APPROACH FOR SCREENING, ASSESSMENT AND DOCUMENTATION AT A LARGE ACADEMIC PEDIATRIC CENTER. <i>Al-Zubeidi, R Rahhal, and D Robertson, Iowa City, IA. University of Iowa</i>	Abstract 33
3	INITIATING PASTEURIZED DONOR MILK AS A QUALITY CARE INITIATIVE IN NICU. <i>N Alile, K Cloninger, S Livshin, P Perez, and A Shukla, Chicago, IL. Illinois University</i>	Abstract 34
4	URTICARIA PIGMENTOSA: AN UNUSUAL PATIENT PRESENTATION. <i>JL Allison, M Varman, KA Krenzer, Omaha, NE. University of Nebraska Medical Center</i>	Abstract 35
5	DETERMINATION OF CARDIAC SIZE AND FUNCTION IN A PROSPECTIVE STUDY OF SSRI EXPOSED INFANTS. <i>DA Ansah, BE Reinking, RD Roghair, and SE Haskell, Iowa City, IA. University of Iowa</i>	Abstract 36
6	INTERCALATED DISC PROTEIN, mXinβ, ASSOCIATED IN THE DEVELOPMENT OF HYPERTROPHY IN A MODEL OF HYPERTROPHIC CARDIOMYOPATHY. <i>AE Armstrong, ET Farrell, WJ De Lange, and JC Ralphe, Madison, WI. University of Wisconsin-Madison</i>	Abstract 37
7	USING IMMERSIVE SIMULATION TO ENGAGE PEDIATRIC RESIDENTS IN DIFFICULT CONVERSATIONS AND THE DISCLOSURE OF MEDICAL ERRORS. <i>DD Aronson Schinasi, L Berman, Y An-Grogan, IN Kolaitis, FM Nadel, and KN Shaw, Chicago, IL and Philadelphia, PA. Northwestern University</i>	Abstract 38
8	MICROTUBULE CYTOSKELETON AS A NOVEL TARGET AGAINST PULMONARY HYPERTENSION. <i>G Atwal, Y Sun, J Chen, and Y Komarova, Oak Park, IL and Chicago, IL. University of Illinois at Chicago</i>	Abstract 39
9	OUTCOME OF SUPRAGLOTTOPLASTY FOR NEONATES WITH LARYNGOMALACIA AND NEONATAL SLEEP APNEA. <i>A Bandyopadhyay, J Slaven, and A Daftary, Carmel, IN and Indianapolis, IN. Indiana University</i>	Abstract 40

<u>Poster Number</u>		<u>Abstract Number</u>
10	BRONCHOSCOPIC FINDINGS IN NEONATES WITH CONGENITAL STRIDOR. A <i>Bandyopadhyay, H Muston, J Slaven, WA Engle, and A Daftary, Carmel, IN and Indianapolis, IN. Indiana University</i>	Abstract 41
11	PROTEOMIC ANALYSIS OF CORD BLOOD-DERIVED EXOSOMAL PROTEINS ALTERED BY IRON STATUS. <i>AK Barks, SE Blohowiak, PJ Kling, and PV Tran, Minneapolis, MN and Madison, WI. University of Minnesota</i>	Abstract 42
12	SETTING A STANDARD OF COMMUNICATION WITH FAMILIES IN THE NICU THROUGH A COMMUNICATION QUALITY INITIATIVE. <i>DK Bennett and K Voos, University Heights, OH and Cleveland, OH. Case Western Reserve University</i>	Abstract 43
13	LARGER SIZE OF NEONATAL VEIN OF LABBE INFARCTION IS ASSOCIATED WITH WORSE LANGUAGE OUTCOMES. <i>KL Benninger, L Ruess, JA Rusin, and NL Maitre, Columbus, OH. Nationwide Children's Hospital/Ohio State University</i>	Abstract 44
14	TYROSINE KINASE B AGONIST MEDIATED NEUROPROTECTION AFTER NEONATAL HIE IS SEXUALLY DIFFERENTIATED. <i>AA Canturk, D Kintner, JH Chandrashekhar, V Chanana, E Udho, J Sanchez, D Zafer, L Melengic, R Shapiro, P Ferrazzano, JE Levine, and P Cengiz, Madison, WI. University of Wisconsin</i>	Abstract 45
15	EARLY ANTIBIOTIC UTILIZATION AMONG VERY LOW BIRTH WEIGHT INFANTS. <i>MA Carl, B Zeller, M Nelson, P Tarr, and B Warner, Saint Louis, MO. Washington University in St Louis</i>	Abstract 46
16	PREVALENCE OF CONCURRENT PSYCHIATRIC AND MEDICAL CONDITIONS IN PEDIATRIC PATIENTS PRESENTING TO URBAN INNER CITY EMERGENCY DEPARTMENTS. <i>S Chung, T Nguyen, AN Heizelman, D Fuguet, GE Gilbert, J Doucet, and L Zun, Chicago, IL. Mount Sinai Medical Center</i>	Abstract 47
17	WHAT? CIRCUMCISIONS PERFORMED BY NEONATAL NURSE PRACTITIONERS? <i>DT Costakos, LR Dahlen, SW Dunlap, TJ Heise, RS Muellenberg, JB Richards, and JM Walden, La Crosse, WI. Mayo Clinic Health System</i>	Abstract 48
18	CONDITIONAL INDUCIBLE DELETION OF BMPR2 FOLLOWING POSTNATAL HYPOXIA-ISCHEMIA INCREASES NON-COMPACTION OF MYELIN. <i>MV Dizon, Chicago. Northwestern University</i>	Abstract 49
19	GASTROINTESTINAL OUTCOMES OF RECESSIVE DYSTROPHIC EPIDERMOLYSIS BULLOSA AFTER HEMATOPOIETIC STEM CELL TRANSPLANTATION. <i>EM Downs, MJ Osborn, JA McGrath, A Hovnanian, K Tamai, J Tolar, and AD Baldrige, Minneapolis, MN. University of Masonic Children's Hospital</i>	Abstract 50

<u>Poster Number</u>	<u>Abstract Number</u>
<p>20 IMPACT OF SHORTENED DURATION OF EMPIRIC ANTIBIOTICS ON LATE-ONSET SEPSIS IN VERY LOW BIRTH WEIGHT NEONATES. <i>Egwuatu, S Padiyar, B Hoy, and M Luayon, Chicago, IL. Sinai Children's Hospital</i></p>	Abstract 51
<p>21 EXPOSURE TO LPS-INDUCED MATERNAL INFLAMMATION RESULTS IN PLACENTAL INFLAMMATION AND IN UTERO INJURY TO THE DEVELOPING INTESTINE. <i>TG Elgin, EM Fricke, H Gong, K Gibson-Corley, J Reese, and SJ McElroy, Iowa City, IA and Nashville, TN. University of Iowa</i></p>	Abstract 52
<p>22 THE IMPACT OF GESTATIONAL ENDOCRINE DISORDERS ON BREAST MILK FAT CHARACTERISTICS. <i>LA Ellsworth, C Anderson, A Craig, and BE Gregg, Ann Arbor, MI. University of Michigan</i></p>	Abstract 53
<p>23 COMPARISON OF HEALTH OUTCOMES IN VERY LOW BIRTHWEIGHT INFANTS RECEIVING CYCLED VS. CONTINUOUS PARENTERAL NUTRITION. <i>KM Espinosa, J Hrejsa, B Petro, P Nicoski, and M Shareef, Forest Park, IL and Maywood, IL. Loyola Stritch School of Medicine</i></p>	Abstract 54
<p>24 THE USE OF BEDSIDE ULTRASOUND IN A PEDIATRIC EMERGENCY ROOM FOR SKIN AND SOFT TISSUE INFECTIONS. <i>LR Finkel and G Helland, Chicago, IL. University of Chicago</i></p>	Abstract 55
<p>25 THERAPEUTIC HYPOTHERMIA FOR NEONATAL ENCEPHALOPATHY (NE): IS LATE BETTER THAN NEVER? <i>AM Firestine, J Ulloa, E Shepherd, PJ Sanchez, and NL Maitre, Columbus, OH. Nationwide Children's Hospital-The Ohio State University</i></p>	Abstract 56
<p>26 IMPACT OF MIGLUSTAT THERAPY ON THE HYPOPHOSPHATASIA MOUSE MODEL. <i>MB Flanagan, A Patel, Q Gan, S Pinni, Y Puckett, and AM Montano, St Louis, MO. Saint Louis University</i></p>	Abstract 57
<p>27 MACRONUTRIENT COMPOSITION AND VARIABILITY OF TARGET-POOLED DONOR BREAST MILK. <i>T Fu and B Poindexter, Cincinnati, OH. Cincinnati Children's Hospital Medical Center</i></p>	Abstract 58
<p>28 MATERNAL OBESITY AND INCREASED INFANT BMI ARE STRONGER PREDICTORS OF CHILDHOOD OBESITY AT ONE YEAR OF AGE THAN MATERNAL GESTATIONAL WEIGHT GAIN. <i>J Gannon, A Pollock, S Blohowiak, DB Allen, and PJ Kling, Madison, WI. University of Wisconsin-Madison</i></p>	Abstract 59
<p>29 EFFECT OF HYPOTHERMIA & MINOCYCLINE ON BRAIN ENDOTHELIN RECEPTORS, VASCULAR ENDOTHELIAL GROWTH FACTOR & NERVE GROWTH FACTOR OF RAT PUPS WITH HYPOXIC ISCHEMIC BRAIN INJURY. <i>A Gaxiola, P Prazad, M Leonard, L Schweig, and A Gulati, Park Ridge, IL and Downers Grove, IL. Advocate Children's Hospital</i></p>	Abstract 60

<u>Poster Number</u>		<u>Abstract Number</u>
30	TRENDS AND ZIP CODES ASSOCIATED WITH LEAD POISONING IN CHICAGO: WHAT LEVEL IS SAFE? <i>S Gupta, G Srinivasan, and S Ying, Chicago, IL. Mount Sinai Hospital</i>	Abstract 61
31	SIMPLE OBSERVATION, RARE DIAGNOSIS: TOWNES BROCKS SYNDROME. <i>S Gupta, M Luayon, and G Srinivasan, Chicago, IL. Mount Sinai Hospital</i>	Abstract 62
32	DIAGNOSIS OF EXCLUSION: VIRAL MYOSITIS WITH ATYPICAL RASH - LEADING TO RHABDOMYOLYSIS AND ACUTE RENAL FAILURE. <i>S Gupta and N Verma, Chicago, IL. Mount Sinai Hospital</i>	Abstract 63
33	IUGR DECREASES GSTA4 EXPRESSION IN THE HIPPOCAMPUS OF THE NEWBORN RAT. <i>AJ Hanson, M Alexander, R Rao, and A Maliszewski-Hall, Minneapolis, MN. University of Minnesota</i>	Abstract 64
34	MATERNAL PUMPING BEHAVIORS DO NOT EXPLAIN RACIAL DISPARITIES IN HUMAN MILK FEEDINGS AT DISCHARGE IN VERY LOW BIRTHWEIGHT INFANTS. <i>R Hoban, M Schoeny, JL Engstrom, PP Meier, and AL Patel, Chicago, IL. Rush University Medical Center</i>	Abstract 65
35	DIETARY QUALITY, NUTRITION, AND HEALTHY EATING KNOWLEDGE MEASURED BY THE YOUTH ADOLESCENT QUESTIONNAIRE AND THE REVISED NUTRICARBQUIZ IN YOUTH WITH TYPE 1 DIABETES. <i>L Huerta-Saenz, S DeLurgio, N Knecht, S Vergara-Bagby, D Williams, SR Patton, and MA Clements, Wichita, KS and Kansas City, MO. University of Missouri-Kansas City</i>	Abstract 66
36	UTILITY OF UTOX: SHOULD WE SEND URINE TOXICOLOGY SCREENS ON ALL PATIENTS WITH ALCOHOL INTOXICATION? <i>IA Hurst, EC Roben, and MD Adler, Chicago, IL. Northwestern University</i>	Abstract 67
37	EARLY VERSUS LATE CAFFEINE THERAPY AND PATENT DUCTUS ARTERIOSIS OUTCOMES IN VERY LOW BIRTH WEIGHT INFANTS. <i>AD Jones, EU Patel, CH Sajous, R Kampanatkosol, and C Jreisat, Chicago, IL. Loyola University Medical Center</i>	Abstract 68
38	SIGNIFICANCE OF SMALL ANTEROMEDIAL OR SUBPULMONIC PNEUMOTHORACIES ON ADMISSION CHEST RADIOGRAPHS IN LATE PRETERM/TERM NEONATES. <i>G Chan, AD Jones, A Jawahar, J Muraskas, and J Lim-Dunham, Chicago, IL and Maywood, IL. Loyola University Medical Center</i>	Abstract 69
39	EARLY INTERVENTIONS FOR POSTPARTUM DEPRESSION AND ANXIETY. <i>T Jones and S Hamilton, Sioux Falls, SD. University of South Dakota-Sanford School of Medicine</i>	Abstract 70
40	IS YOUR SPECIALIST IN-NETWORK? COMPARING ACCESS TO ADULT AND PEDIATRIC PHYSICIANS IN THE AFFORDABLE CARE ACT MARKETPLACE PLANS. <i>K Kan, CA Wong, Z Cidav, R Nathenson, and D Polsky, Ann Arbor, MI and Philadelphia, PA. University of Michigan</i>	Abstract 71

<u>Poster Number</u>		<u>Abstract Number</u>
41	INCOMPLETE EVALUATION AND PRESUMPTIVE TREATMENT OF POLYCYSTIC OVARY SYNDROME OCCURS IN ADOLESCENTS. <i>LA Kanner, MT Bekx, and EL Connor, Madison, WI. University of Wisconsin</i>	Abstract 72
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225 East Chicago Avenue, Chicago, IL 60611 | 1.800.KIDS DOC®

Our main entrance is at 225 E. Chicago Avenue. Family and visitor parking is across the street in the **Huron-Superior Parking Garage A at 222 E. Huron Street**. The Huron-Superior Parking Garage has entrances on both Huron and Superior; however, it is easiest to use Huron Street entrance. A pedestrian bridge connects the garage to the 2nd floor of Lurie Children's. For wheelchair accessible van parking, please use Huron entrance and visit the customer service office on the 1st floor, immediately to your right. If you use the Superior entrance, please take the northwest corner elevators to the ground level and walk east on Superior to the crosswalk. You may also park at the Erie-Ontario garage a few blocks away at 321 E. Erie.

Parking cost: \$11 for less than 7 hours and \$15 for more than 7 hours.

Valet parking: Available for emergencies or for children with disabilities. Your car can be left with the valet on the driveway accessed from Chicago Avenue and can be retrieved by crossing a pedestrian bridge to the 2nd floor of the parking garage.

Valet parking cost: \$15 for less than 7 hours and \$20 for 7-24 hours. Stays exceeding 24 hours will incur additional fees.

Note: For extended stays or multiple appointments, please ask your nurse or social worker for off-site parking options and shuttle schedules



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DIRECTIONS & PARKING INFORMATION

Lurie Children's, 225 East Chicago Avenue, Chicago, IL 60611

Parking: Huron-Superior costs \$11 for less than 7 hours and \$15 for more than 7 hours (same rate applies for Erie-Ontario) and valet parking (for emergencies and children with disabilities) costs \$15 for less than 7 hours and \$20 for 7–24 hours

Validation: At second floor concierge desk in Lurie Children's for patient families and visitors (before or after visit)

Emergency Room: Enter the main Lurie Children's driveway from Chicago Avenue. Drive southbound toward the red Emergency Room sign. Enter the hospital lobby to the right. The elevators inside, near the security desk, will take you directly to the Emergency Care Center on the 2nd floor.

If your child is experiencing a medical emergency, call 911. To contact the staff in the Emergency Care Center, call 312.227.3800.

Driving from the North & Northwest

I-90/I-94: East to Ohio Street exit; east on Ohio, past Michigan Avenue.

To self park: Left (north) on St. Clair Street, right (east) on Superior Street, right into Huron-Superior parking garage, walk to second floor pedestrian bridge to the main hospital entrance.

To drop off: Left (north) on N. Fairbanks Court, left (west) on E. Chicago Avenue, left into the Lurie Children's main driveway.

Michigan Avenue: South on Michigan.

To self park: Left (east) on Superior Street, right into the Huron-Superior parking garage, walk to second floor pedestrian bridge to the main hospital entrance.

To drop off: East (left) on E. Pearson Street; right (south) on Mies Van der Rohe Way; slight left (east) on E. Chicago Avenue; immediate right into the Lurie Children's main driveway.

Lake Shore Drive: South to Chestnut Street exit.

To self park: south on inner Lake Shore to E. Huron Street, right (west) at Huron, right into the Huron-Superior parking garage, walk to second floor pedestrian bridge to the main hospital entrance.

To drop off: south on inner Lake Shore to E. Chicago Avenue; right (west) on Chicago past N. Fairbanks Court; left into the Lurie Children's main driveway.

Driving from the West & Southwest

I-88 & I-290: East to Congress Parkway; straight (east) on Congress Parkway; left (north) on N. Columbus Drive (becomes N. Fairbanks Court).

To self park: Left (west) at E. Huron Street, right into the Huron-Superior parking garage, walk to second floor pedestrian bridge to main hospital entrance.

To drop off: Left (west) at E. Chicago Avenue, left into the Lurie Children's main driveway.

Driving from Indiana

I-80 West: West to I-94; I-94 west to Ohio Street exit; east on Ohio, past Michigan Avenue.

To self park: Left (north) on St. Clair Street, right (east) on Superior Street, right into Huron-Superior parking garage, walk to second floor pedestrian bridge to the main hospital entrance.

To drop off: Left (north) on N. Fairbanks Court, left (west) on E. Chicago Avenue, left into Lurie Children's main driveway.

Please note: When driving, please allow additional time for traffic and parking. Visit the following websites for traffic and construction updates: [Notify Chicago](#), [Chicago Traffic Tracker](#) and [Illinois Department of Transportation](#)

Driving from the South

I-55: North to Lake Shore Drive; north to Illinois Street/Grand Avenue exit; west (left) on Grand to Columbus/N. Fairbanks Court), Right (north) on Fairbanks.

To self park: Left (west) on E. Huron Street, right into the Huron-Superior parking garage, walk to second floor pedestrian bridge to main hospital entrance.

To drop off: Left (west) on E. Chicago Avenue; left into the Lurie Children's main driveway.

I-57: North to I-94; I-94 west to Ohio Street exit; east on Ohio, past Michigan Avenue.

To self park: Left (north) on St. Clair Street, right (east) on Superior Street, right into Huron-Superior parking garage, walk to second floor pedestrian bridge to the main hospital entrance.

To drop off: Left (north) on N. Fairbanks Court, left (west) on E. Chicago Avenue, left into the Lurie Children's main driveway.

Michigan Avenue: north on Michigan.

To self park: Right (east) on Superior Street, right into the Huron-Superior parking garage, walk to second floor pedestrian bridge to the main hospital entrance.

To drop off: Right (east) on E. Chicago Avenue; right into the Lurie Children's main driveway.

Taking Chicago Transit Authority (CTA)

For more information about bus or train routes, call **312.836.7000** or visit www.rtachicago.com.

CTA Trains

- **Red Line Chicago stop:** exit at Chicago and State
- **Brown/Purple Line Chicago stop:** exit at Chicago and Franklin

CTA Buses

Stopping at Chicago Ave and Mies Van Der Rohe (in front of Lurie Children's):

- #3 - King Drive (North Bound & South Bound)
- #10 - Museum of Science and Industry (North Bound)
- #26 - South Shore Express (South Bound)
- #66 - Chicago Ave. (West Bound & East Bound)
- #125 - Water Tower Express (North Bound)
- #157 - Streeterville/Taylor (East Bound) (*Union Station to Lurie Children's*)

Stopping at either Michigan & Huron

- #143 - Stockton/Michigan Express
- #144 - Marine/Michigan Express
- #145 - Wilson/Michigan Express
- #146 - Inner Drive/Michigan Express
- #147 - Outer Drive Express
- #148 - Clarendon/Michigan Express
- #151 - Sheridan (*Lurie Children's to Union Station*)

Shuttle service connects the main hospital and outpatient center in Lincoln Park

Shuttles run Monday through Friday, about every 20 minutes. Main hospital pick up / drop off is at the south (Superior Street) side of the main hospital driveway, and outpatient center pick up / drop off is at 2515 N. Clark Street.