

Pediatric Science Day 2023

Presentation Timetable

April 12, 2023

Platform Session I	
9:30	<u>Faris Ali</u> , Benjamin L. Shapleigh, Nisha A. George, Nermi Parrow, Robert Fleming. <i>THE EFFECT OF MONOFERRIC TRANSFERINS ON MURINE MATERNAL IRON HOMEOSTASIS.</i>
9:42	<u>Charlie Boyle</u> , Meghana Pathapati, Kelsey Bartman, Rakesh Rao, Amit Mathur. <i>HEARING LOSS PREVALENCE AND CLINICAL FACTORS IN NEONATES ADMITTED TO THE NEONATAL INTENSIVE CARE UNIT.</i>
9:54	<u>Jasmine Carter</u> , Sylvia Morfin, Christine Denton, Ashish Samandar, Daniel Goldenberg, Chandra Manithody, Kento Kurashima, Sylvia Morfin, Marzena Syn, Miguel Guzman, Sonali Jain, Chelsea Hutchinson, Yasar Caliskan, Shin Miyata, CJ Lin, Mustafa Nazzal, Aaron Ericsson, John Long, Ajay Jain. <i>A NOVEL INTRA-DUODENAL FECAL MICROBIOTA TRANSPLANT SIGNIFICANTLY MODULATES TOTAL PARENTERAL NUTRITION (TPN) ASSOCIATED INJURY IN AN AMBULATORY PIGLET MODEL.</i>
10:06	<u>Anandini Suri</u> , Zhang, Zidong; Neuschwander-Tetri, Brent A.; Loomba, Rohit, Brenner, David A. Wilson, Andrew; Carpenter, Danielle; Teckman, Jeffrey. <i>INCREASED LIVER FIBROSIS IS THE KEY CLINICAL FACTOR ASSOCIATED WITH INCREASED FUTURE SEVERE LIVER DISEASE OUTCOMES IN A PROSPECTIVE COHORT OF ADULTS WITH ALPHA-1-ANTITRYPSIN DEFICIENCY.</i>
10:18	<u>John Puetz</u> . <i>IS CONFIRMATORY TESTING STILL NECESSARY TO DIAGNOSE VON WILLEBRAND DISEASE?</i>
10:30	<u>John Puetz</u> , Brian Hu. <i>FACTOR ACTIVITY LEVELS AND BLEEDING SCORES IN PEDIATRIC HEMOPHILIA CARRIERS ENROLLED IN THE ATHNDATASET.</i>

Platform Session II	
11:00	<u>Daniel E. Goldenberg</u> , Kento Kurashima, Sylvia Morfin, Jasmine Carter, Chandra Manithody, Danielle Edwards, Jeffery Bettag, Loren Po, Brett Martin, Rahul Tallam, aakash Nagarapu, Cassius Cunningham, Marzena Swiderska-Syn, Shin Miyata, Mustafa Nazzal, Sonali Jain, Matthew Mchale, ChienJung Lin, John Long, Chelsea Hutchinson, Ajay Jain. <i>GUT AND LIVER INJURY IN SHORT BOWEL SYNDROME IS AMELIORATED BY A NOVEL MECHANISM OF INTERNAL RECIRCULATION OF INTESTINAL CONTENT.</i>
11:12	<u>Andrew J. White</u> . <i>AUTOIMMUNITY IN HEREDITARY HEMORRHAGIC TELANGIECTASIA: ANALYSIS OF A LARGE NATIONAL CLAIMS DATABASE.</i>
11:24	<u>Hayley Grzych</u> . <i>EFFECT OF THE COMBINATION OF SURFACTANT WITH BUDESONIDE AND INTRAVENOUS HYDROCORTISONE ON BETAMETHASONE TREATED PRETERM LAMBS.</i>
11:36	<u>Kento Kurashima</u> , Yasar Caliskan, Meghan Unos, Edward Portz, Grace Trello, Jeremy Palacio, Sylvia Morfin, Jasmine Carter, Chandrashekhara Manithody, Mustafa Nazzal, Ajay Kumar Jain. <i>DONOR LIMS1 GENOTYPE IS AN IMPORTANT DETERMINANT OF ALLOGRAFT KIDNEY RESPONSE TO ISCHEMIA AND REPERFUSION.</i>
11:48	<u>Ashish Samaddar</u> , Johan van Nispen, Sylvia Morfin, Jasmine Carter, Marzena Syn, Kento Kurashima, Joseph Krebs, Chandra Manithody, Christine Denton, CJ Lin, Yasar Caliskan, Mustafa Nazal, Aaron C. Ericsson, Ajay Jain. <i>HIGHER SYSTEMIC INFLAMMATION IS DRIVEN BY CLONAL EXPANSION OF FUSOBACTERIUM, BACTEROIDETES AND CAMPYLOBACTER DURING PARENTERAL NUTRITION.</i>

Platform Session III	
1:30	<u>Noah Hillman</u> . <i>INTRA-AMNIOTIC LPS AND INTRAMUSCULAR BETAMETHASONE DECREASE PLASMA AND LUNG LEVELS OF BUDESONIDE IN PRETERM LAMBS VENTILATED AFTER COMBINATION OF SURFACTANT WITH BUDESONIDE.</i>
1:42	<u>Nermi Parrow</u> , Anna Conrey, Swee Lay Thein, Robert E Fleming. <i>RELATIONSHIPS BETWEEN TRANSFERRIN SATURATION AND HEMATOLOGICAL PARAMETERS IN PATIENTS WITH SICKLE CELL ANEMIA.</i>
1:54	<u>Laura Hopkins</u> , Qi Gan, Linda Winter, Weronika Hodorowicz, Nina Buzzota, Samuel Ruesing, Samuel Stealy, Silviya Zustiak, Adriana M. Montaño. <i>CHARACTERIZATION AND PHARMACOKINETIC STUDY OF BIODEGRADABLE HYDROGELS FOR SUSTAINED RELEASE OF N-ACETYLGALACTOSAMINE6-SULFATE SULFATASE (GALNS) INTO MUCOPOLYSACCHARIDOSIS IVA (MPS IVA) AFFECTED MICE.</i>
2:06	<u>Nermi Parrow</u> , Nisha George, Faris Ali, Robert Fleming. <i>REGULATION OF IRON METABOLISM DURING INFLAMMATION BY TRANSFERRIN LOBE IRON OCCUPANCY.</i>
2:18	<u>Ajay K. Jain</u> , Paula Buchannan, Katherine P. Yates , Jeffrey B. Schwimmer, Philip Rosenthal, Karen F. Murray, Jean P. Molleston, Ann O. Scheimann, Stavra A. Xanthakos, Cynthia A. Behling, Paula Hertel, Jamie Nilson, Neuschwander-Tetri BA, Miriam B. Vos, NASHCRN. <i>NUTRITION ADEQUACY AND NASH SEVERITY IN CHILDREN USING THE HEALTHY EATING INDEX.</i>
2:30	<u>Sam Ruesing</u> , Michael Flanagan, Qi Gan, Saahil Sheth, Rachel Schafer, Linda E Winter, Karoly Toth, Silviya P Zustiak, Adriana M Montaño. <i>STABILITY OF rhGALNS UPON ENCAPSULATION IN POLYETHYLENE GLYCOL HYDROGELS FOR THE SUSTAINED TREATMENT OF MORQUIO A SYNDROME.</i>

Platform Session IV	
2:45	Qi Gan, Michael Flanagan, <u>Amirhossein Arasteh</u> , Medha Srigiri, Ara Vartanyan, Brittany Montavon, Linda Winter, Raymond Y. Wang, Miguel Guzman, Adriana M. Montaño. <i>UNDERSTANDING CARDIOVASCULAR DISEASE IN MORQUIO A.</i>
2:57	<u>Benjamin Shapleigh</u> , Faris Ali, Nisha A. George, Kjirstin Osland, Nermi Parrow, Robert Fleming. <i>THE EFFECT OF MATERNAL TRANSFERRIN LOBE IRON OCCUPANCY ON FETAL IRON STATUS.</i>
3:10	<u>Grace Trello</u> , Kento Kurashima, Mustafa Nazzal, Jeffery Bettag, Aakash Nagarapu, Johan Van Nispen, Sylvia Morfin, Jasmine Carter, Loren Po, Feroz Khan Asaf Khan, Meghan Unes, Edward Portz, Yasar Caliskan, Mustafa Nazzal, Ajay Kumar Jain. <i>CHARACTERIZING GENE EXPRESSION WITH DEFEROXAMINE ALONG THE FERROPTOSIS SIGNALING PATHWAY USING A NOVEL PERFUSION REGULATED ORGAN THERAPEUTICS WITH ENHANCED CONTROLLED TESTING (PROTECT) SYSTEM.</i>
3:22	<u>Siri Kommareddy-Sloane</u> , Erik Madsen, Jason Werner, Lia Lowrie. <i>USE OF APRV IN THE CARDINAL GLENNON PICU.</i>
3:34	<u>Meghan Unes</u> , Yasar Caliskan , Kento Kurashima, Edward Portz, Sylvia Morfin, Jasmin Carter, Chandrashekhara Manithody, Ajay Kumar Jain, Mustafa Nazzal. <i>NORMOTHERMIC MACHINE PERFUSION AND APOL1- INFLAMMATION AND HYPOXIA AXIS IN DONOR KIDNEY.</i>

Poster Session I	
1.	<u>Chelsea Bertelsmann</u> . <i>PROPIONIC ACIDEMIA AND HYPERGLYCEMIA, DOES IT MEAN ANYTHING?</i>
2.	<u>Nithya Chintalapati</u> , Colin Dunne, Brittany Wichman, Nitin Chouthai. <i>THE EFFECT OF PLATELET STORAGE DURATION ON NEONATAL OUTCOMES.</i>
3.	<u>Garima Chopra</u> , Rinky Patel, Pavithra Saikumar, Sara Henen. <i>CONGENITAL SUCRASE ISOMALTASE DEFICIENCY IN A PEDIATRIC PATIENT.</i>
4.	<u>Garima Chopra</u> , Katherine Forrester, Justin Sobrino. <i>TANGLED – A UNIQUE CASE OF RAPUNZEL SYNDROME IN A TEENAGE GIRL.</i>
5.	<u>Deepti Sudhakar</u> , Amy L. Clark. <i>IMPACT OF THE COVID-19 PANDEMIC ON THE FREQUENCY AND PRESENTATION OF DIABETES AT CARDINAL GLENNON HOSPITAL.</i>
6.	<u>Marielys Collazo-Roman</u> , Jaenic Lee, Duha Al-Zubeidi. <i>THE ROLE OF METAGENOMIC NEXT-GENERATION SEQUENCING (mNGS) IN EARLY DIAGNOSIS OF TOXOPLASMOSIS GONDII IN BMT PATIENT: A CASE REPORT.</i>
7.	<u>Nathaniel Conner</u> , Margaret Rozier Chen. <i>THE EFFECTS OF TIMELY NOTIFICATION OF PATIENT DEATHS ON RESIDENT SATISFACTION.</i>
8.	<u>Sadie Friedrich</u> , Ashley McElheny. <i>COMPLEX GENETIC AND SOCIAL IMPLICATIONS OF RARE RECURRENT HOLOPROSENCEPHALY.</i>
9.	<u>Nina Gupta</u> , Olivia Max, Jennifer Hoefert. <i>A DENTAL ABSCESS LEADING TO MAXILLARY OSTEOMYELITIS.</i>
10.	<u>Sana Habib</u> , Bradley Becker. <i>REPORT OF TSPEAR VARIANTS, THE HYPEREOSINOPHILIC SYNDROME, AND SEVERE ATOPY.</i>
11.	<u>John Hoerr</u> . <i>ATTACK OF THE CLONUS: ALBUTEROL-INDUCED CLONUS IN A PATIENT WITH RSV BRONCHIOLITIS.</i>

Poster Session I (continued)	
12.	<u>Ajay K. Jain</u> , Elizabeth V Isaak, Jordan Dean, Erik C. Madsen, Noah H. Hillman, Gary M Albers, Andrew J White. <i>ADJUDICATING BONUS COMPENSATION FOR ACADEMIC PEDIATRICIANS USING A NOVEL COMPOSITE LINEAR INCREMENT PLAN.</i>
13.	<u>William Keenan</u> , Khalid Aziz, Nalini Singhal, Stella Kyoyagala, Milly Nassejje, Elias Kumbakumba, Majeeda Kamaluddeen, Susan Niermeyer, Julieth Kabirigi, Ashish KC, Douglas McMillan. <i>QUALITY IMPROVEMENT INTEGRATED KANGAROO MOTHER CAE (QIKMCM) – COMBINING QUALITY IMPROVEMENT (QI) AND CLINICAL EDUCATION ENHANCES IMPLEMENTATION.</i>
14.	<u>Margaret Lang</u> , <u>Josh Thomas</u> , Aline Tanios. <i>SAFER AT SCHOOL: A STORY OF MALNOURISHED AND NEGLECTED SISTERS SAVED BY THE SCHOOL LUNCH PROGRAM.</i>
15.	<u>Jenny Le</u> , Robert Hill, Aline Tanios. <i>MIGRATORY ARTHRALGIA IN A FEBRILE CHILD.</i>
16.	<u>Brendan McEnery</u> , Stacy Mathews, Josh Arthur, Anne Walentik. <i>ADDRESSING ADOLESCENT DATING VIOLENCE IN THE PEDIATRIC CLINIC SETTING.</i>
17.	<u>Sylvia Morfin</u> , Daniel E. Goldenberg, Jasmine Carter; Kento Kurashima, Chandra Manithody, Danielle Edwards, Jeffery Bettag, Loren Po, Brett Martin, Rahul Tallam, ChienJung Lin, Jeffery Salomon, Chelsea Hutchinson, Ajay Jain. <i>HEPATIC CHOLESTASIS AND GUT ATROPHY DURING TOTAL PARENTERAL NUTRITION IS ASSOCIATED WITH PROTEOBACTERIA EXPANSION .</i>
18.	<u>Revati Narawane</u> , Jennifer A. Hoefert. <i>POOR FEEDING IN AN OTHERWISE HEALTHY NEONATE.</i>
19.	<u>Olivia Max</u> , Revati Narawane, Marta King, Jessenia Guerrero, David Brink. <i>A NODABLE CAUSE.</i>
20.	<u>Revati Narawane</u> , Katherine Tian, Aline Tanios. <i>A BRAIN TEASER: UNUSUAL PRESENTATION OF MASTOIDITIS.</i>
21.	<u>Katherine Shannon</u> , Revati Narawane, Marta King. <i>A COLLECTIVE EFFORT: RARE CASE OF URINOMA.</i>
22.	<u>Shivani Parikshak</u> , Elizabeth Noonan. <i>IMPLEMENTATION OF AN ANXIETY SCREENING TOOL IN A GENERAL ACADEMIC PEDIATRIC CLINIC.</i>
23.	<u>Rinky Patel</u> , Saurabh Chiwane, Gary Albers, Shin Miyata, Lia Lowrie, Hemant Agarwal. <i>EXTRACORPOREAL SUPPORT FOR SPONTANEOUS PNEUMOMEDIASTINUM SECONDARY TO VIRAL INFECTION IN A CHILD.</i>

Poster Session I (continued)	
24.	<u>Meaghan Raney</u> , Anne Walentik. <i>KIDS GET THE DARNEDEST THINGS: A RARE CASE OF DISSEMINATED HISTOPLASMOSIS IN AN IMMUNOCOMPETENT CHILD.</i>
25.	<u>Raisa Razalan</u> , Renuka Peterson, Chetana Reddy, Saurabh Chiwane, Vernat Exil, Justin Sobrino, Charles HuddlestonL, Lia Lowrie, Hemant Agarwal. <i>ASSOCIATION OF GASTRIC PERFORATION WITH LARGE PATENT DUCTUS ARTERIOSUS IN AN INFANT.</i>
26.	<u>KayKay San</u> , Margaret Rozier-Chen. <i>A MEMORABLE MIGRAINE: A CASE REPORT.</i>
27.	<u>Saloni A Sinha</u> , Nina Gupta, Andrew Ellis. <i>ACUTE ONSET SCROTAL SWELLING IN PEDIATRIC PATIENT DIAGNOSED WITH PYELONEPHRITIS.</i>

Poster Session I (continued)	
28.	<u>Miriam Tudyk</u> , Scott Thomas, James Gerard. <i>INFLUENCING FACTORS IN APPLICANTS' RANKING OF PEDIATRIC EMERGENCY MEDICINE FELLOWSHIP PROGRAMS.</i>
29.	<u>Brian Weiss</u> , Saloni Sinha, James Gerard. <i>KETAMINE PRACTICE PATTERNS IN AN ACADEMIC PEDIATRIC EMERGENCY DEPARTMENT.</i>
30.	<u>Anika Mahavni</u> , <u>Megan McEntire</u> , Margaret Rozier Chen. <i>INFLUENCE OF FORMULA SHORTAGE ON POSTPARTUM PARENTS' FEEDING DECISIONS.</i>
31.	<u>Kaley Marcinski</u> , Margaret Rozier Chen. <i>THE EFFECTS OF THE 2022 INFANT FORMULA SHORTAGE ON BREASTFEEDING INITIATION AND DURATION.</i>

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