

## PAS 2025: CHOC UCI Presentations

| Time                   | Abstract Title & ID                                                                                                                                                               | Authors                                                                                                                                                                                                                                                                                                                                                          | Session Details                                               | Poster Number |
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| <b>Friday April 25</b> |                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                  |                                                               |               |
| 9:20 - 9:55AM          | Diversity and Inclusion in Pediatric Infectious Diseases                                                                                                                          | <b>Delma J. Nieves, MD</b>                                                                                                                                                                                                                                                                                                                                       | Presenter: Delma J. Nieves<br>Pre-Conference Event; RSVP Only |               |
| 5:30 - 7:45PM          | Brushing Up on Oral Health: Improving Topical Fluoride Varnish Application and Access to Dental Care for Patients in an Underserved Pediatric Clinic                              | <b>Lydia Villa, Mark Colon, Kelvin Naito, Viceida Carachure, Irena Tang</b>                                                                                                                                                                                                                                                                                      | Presenter: Lydia Villa<br>Poster Session                      | 42            |
| 5:30 - 7:45PM          | CHNC Center Variability in Management of Patent Ductus Arteriosus: Analysis of Clinical Practice Guidelines; ID 1986825                                                           | Sharada H. Gowda, Mark F. Weems, Rakesh Rao, <b>Shawn Sen</b> , Shannon Hamrick, Philip Levy, <b>Ayan Rajgarhia</b> , Molly K. Ball, Sarah Keene                                                                                                                                                                                                                 | Presenter: Sharada H. Gowda<br>Poster Session                 | 163           |
| 5:30 - 7:45PM          | Clinical Predictors of Severity of Brain Injury in Term Infants with Neonatal Encephalopathy                                                                                      | <b>Brenda Rieger MD, Sameeia Iqbal MD, Justin Shen BS, Tricia Morpew MS, Terrie Inder MBChB, MD</b>                                                                                                                                                                                                                                                              | Presenter: Brenda Rieger<br>Poster Session, Works in Progress | WIP 76        |
| 5:30 - 7:45PM          | Comparing Echocardiographic and Angiographic Measurements of the Patent Ductus Arteriosus in Infants; ID 1971746                                                                  | <b>Bryston Chang MD, Madison Huffman MD, Shawn Sen MD, Monica Sondhi MD, Gira Morchi MD, Rhucha Joshi MD, Muhammad Aslam MD, Amir Ashrafi MD, James Hammond MD</b>                                                                                                                                                                                               | Presenter: Bryston Chang<br>Poster Session, Works in Progress | WIP 51        |
| 5:30 - 7:45PM          | Comparison of the Auditory Environment in Premature Infants by Room Type and Postmenstrual Age in a Dedicated Small Baby Unit                                                     | <b>Justin Shen BS, Terrie Inder MBChB MD FRACP, Beverly Inge Walti MSN CPNP CNS, Michel Mikhael MD</b>                                                                                                                                                                                                                                                           | Presenter: Justin Shen<br>Poster Session                      | 349           |
| 5:30 - 7:45PM          | Contamination Rates of Blood, Urine, and Cerebrospinal Fluid Culture Among Hypothermic Infants Evaluated in the Emergency Department; ID 1918669                                  | Kelly R. Bergmann, Amy D. Thompson, Alexandra Geanacopoulos, Nathan Money, Stacey L. Ulrich, <b>Theodore Heyming</b> , Andrea T. Cruz, Paul L. Aronson, Wendi Wendt, Alexander Rogers, Leslie Ann. Hueschen, Laura F. Sartori, Sofia Grigoria Athanasopoulou, Oluwakemi Badaki-Makun, Naghma S. Khan, Jamie Holland, Amy Zhou, Paria M. Wilson, Sriram Ramgopal  | Presenter: Kelly R. Bergmann<br>Poster Session                | 436           |
| 5:30 - 7:45PM          | Enhancing Handoff Processes in a Level IV NICU: A Quality Improvement Initiative                                                                                                  | <b>Kushal Y. Bhakta, Kristin S. Fischer, Jennie Sierra, Irfan Ahmad</b>                                                                                                                                                                                                                                                                                          | Presenter: Kushal Y. Bhakta<br>Poster Session                 | 54            |
| 5:30 - 7:45PM          | Exclusionary Practices of Parental Holding in Neonatal Intensive Care Units: A National Survey                                                                                    | <b>Emily Garavatti</b> , Taralyn Calder, Brian Scottoline, Devlynne S. Ondusko                                                                                                                                                                                                                                                                                   | Presenter: Emily Garavatti<br>Poster Session                  | 471           |
| 5:30 - 7:45PM          | Identifying a temperature threshold for bacterial infections among infants presenting to the emergency department with hypothermia: a multicenter retrospective study; ID 1942201 | Jamie Holland, Sriram Ramgopal, Paul L. Aronson, <b>Theodore Heyming</b> , Naghma S. Khan, Andrea T. Cruz, Stacey L. Ulrich, Leslie Ann. Hueschen, Kelly R.. Bergmann, Alexander Rogers, Laura F. Sartori, Alexandra Geanacopoulos, Nathan Money, Amy D. Thompson, Amy Zhou, Paria M. Wilson, Sofia Grigoria Athanasopoulou, Oluwakemi Badaki-Makun, Wendi Wendt | Presenter: Jamie Holland<br>Poster Session                    | 442           |
| 5:30 - 7:45PM          | Investigating Diastolic Function in Infants with HIE Utilizing Speckle Tracking Echocardiography                                                                                  | <b>Ernest Lai, MD, Brenda Rieger, MD, John S. Tran, MD MPH, JD Hammond, MD</b>                                                                                                                                                                                                                                                                                   | Presenter: Ernest Lai<br>Poster Session, Works in Progress    | WIP 56        |
| 5:30 - 7:45PM          | Key determinants for inpatient vaccine delivery at 11 US Children's Hospitals; ID 1977232                                                                                         | Mersine A Bryan MD, MPH, <b>Alexandra J Mihalek MD</b> , Richard Torres BS, Sanyukta Desai MD MS, Susan Wu MD, Erin Avondet MD, Rachel Solstad MD, Vanessa McFadden MD, Rena Kasick MD, Sumeet Banker MD, Daniel Williams MD, Sunita Hemani MD, Kathryn Forster MD, Douglas J Opel MD, MPH.                                                                      | Presenter: Mersine A Bryan<br>Poster Session                  | 686           |

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| 5:30 - 7:45PM | Paired Fetal Umbilical Venous and Neonatal Blood Cultures in Early Onset Sepsis: A single center experience.                                   | <b>Colin Parker MD, Cherry Uy MD, Robin Koeppel DNP, Lisa Perumean PharmD, Michelle Hearron BSN, Fayezy Bany-Mohammed MD</b>                                                                               | Presenter: Colin Parker<br>Poster Session                     | 597    |
| 5:30 - 7:45PM | Pediatric Neuroimmunological Diseases: Demographic Factors Impacting Diagnosis and Treatment at a Pediatric Tertiary/Quaternary Medical Center | <b>Grace Kim, Sophia Falmagne, Janetta L. Arellano</b>                                                                                                                                                     | Presenter: Grace Kim<br>Poster Session, Works in Progress     | WIP 83 |
| 5:30 - 7:45PM | Perceived Impact of a Parenting Elective on Pediatric Residents Experiences; ID 1941979                                                        | Honora Burnett , Catherine Michelson, Miranda Hillard, Lori Price, Heather Burrows, Suzanne Reed, Vandana Racherla, Kristen Samaddar, <b>Hillary Zieve</b> , Mariam Zeini, Alan Schwartz, Sabrina Ben-Zion | Presenter: Honora Burnett<br>Poster Session                   | 508    |
| 5:30 - 7:45PM | Relationship of Severity of Neonatal Encephalopathy to the Severity of Brain Injury                                                            | <b>Saameia Iqbal MD, Brenda Rieger MD, Justin Shen BS, Tricia Morpew MS, Terrie Inder MBChB, MD</b>                                                                                                        | Presenter: Saameia Iqbal<br>Poster Session                    | 320    |
| 5:30 - 7:45PM | Umbilical Cord and Infant Blood Gases and their Relationship to Severity of Brain Injury in Hypoxic Ischemic Encephalopathy                    | <b>Brenda Rieger MD, Justin Shen BS, Sameeia Iqbal MD, Tricia Morpew MS, Terrie Inder MBChB, MD</b>                                                                                                        | Presenter: Brenda Rieger<br>Poster Session, Works in Progress | WIP 81 |
| 5:30 - 7:45PM | Working Together to Improve Pediatric Care                                                                                                     | <b>Yousuke Horikawa, Elizabeth Grant, Amber Morlan, Michael Weiss</b>                                                                                                                                      | Presenter: Yousuke Horikawa<br>Poster Session                 | 705    |

#### Saturday April 26

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| 7:00 - 7:15AM   | Prevalence of urinary tract infection and invasive bacterial infections among infants presenting to the emergency department with hypothermia: a multicenter retrospective study; ID 1938682 | Sriram Ramgopal, Sofia Grigoria Athanasopoulou, Andrea T. Cruz, Alexander Rogers, Paria M. Wilson, Naghma S. Khan, Amy Zhou, Wendi Wendt, Kelly R. Bergmann, Leslie Ann. Hueschen, Laura F. Sartori, Oluwakemi Badaki-Makun, Alexandra Geanacopoulos, <b>Theodore Heyming</b> , Jamie Holland, Stacey L. Ulrich, Amy D. Thompson, Paul L. Aronson | Presenter: Sriram Ramgopal<br>Oral Abstract                               |     |
| 11:00 - 11:15AM | Impact of the COVID-19 Pandemic on National Pediatric Inpatient Vaccine Delivery; ID 1976454                                                                                                 | <b>Alexandra J. Mihalek MD, Amanda M. Schafenacker MD, Katherine Andreeff MD, Ricardo Aguilar MS</b> , Mersine A. Bryan MD MPH, <b>Jasjit Singh MD.</b>                                                                                                                                                                                           | Presenter: Alexandra J. Mihalek<br>Oral Abstract                          |     |
| 1:10 - 1:30PM   | Immune System Omics: New Insights into Molecular Exercise Health Effects in Pediatrics                                                                                                       | <b>Shlomit Radom-Aizik, Ph.D.</b>                                                                                                                                                                                                                                                                                                                 | Presenter: Shlomit Radom-Aizik<br>Basic-Translational-Clinical Roundtable |     |
| 2:30 - 4:45PM   | Assessing Predictors and Protocol for Home Enteral Feeding Devices in Infants Treated with Therapeutic Hypothermia                                                                           | <b>Swathi Ariyapadi MD</b> , Nicole Cobo MD, Nam Nguyen MD, Adam Shaban MD, Shawna Townsend OT, Tiffany Salazar RN BSN, Steve Cho MD, Ching Tay RN CNS, Antoine Soliman MD, Alexandra Iacob MD                                                                                                                                                    | Presenter: Swathi Ariyapadi<br>Poster Session                             | 680 |
| 2:30 - 4:45PM   | Bowel Ultrasound for Necrotizing Enterocolitis: Availability, Usage, and Challenges                                                                                                          | Alain Cuna, Amina M. Bhatia, Amy E.. O'Connell, Bhuvaneshwari Jagadesan, Catalina Le Cacheux, Catherine J. Hunter, Hala Chaaban, <b>Irfan Ahmad</b> , Julie Thai, Kate Louise M. Mangona, Katie Huff, Kera McNelis, Lauren Frazer, Leeann Pavlek, Loren Berman, Mohan Pammi, Muralidhar Premkumar, Parvesh Garg, Pritha Nayak, Toby D. Yanowitz   | Presenter: Alain Cuna<br>Poster Session                                   | 710 |
| 2:30 - 4:45PM   | Epistaxis in the Emergency Department: Who Needs Laboratory Evaluation and Receives Transfusions? ID 1951869                                                                                 | <b>Andrew Hsieh</b> , James Cranford, Angela Weyand, Lauren Bohm, <b>Viven Phung</b> , Sarah Tomlinson                                                                                                                                                                                                                                            | Presenter: Andrew Hsieh<br>Poster Session                                 | 110 |
| 2:30 - 4:45PM   | Improving operating room throughput inefficiencies using advanced improvement science methods and factorial design; ID 1971969                                                               | <b>John M. Harris, Jennifer Combs, Sandip A. Godambe</b>                                                                                                                                                                                                                                                                                          | Presenter: John M. Harris<br>Poster Session                               | 488 |
| 2:30 - 4:45PM   | Infants Born Following Intrauterine Drug Exposure: Disparities in Discharge Outcomes; ID 1974805                                                                                             | <b>Haley Anne Palaganas, Cherry Uy, Amy Yan, Behnoosh Afghani</b>                                                                                                                                                                                                                                                                                 | Presenter: Haley Anne Palaganas<br>Poster Session                         | 372 |
| 2:30 - 4:45PM   | Triglyceride Monitoring in VLBW Infants: A Quality Improvement Initiative                                                                                                                    | <b>Ernest Lai, MD, Robin Koeppel, DNP, Lisa Perumean, PharmD, Yona Nicolau, MD</b>                                                                                                                                                                                                                                                                | Presenter: Ernest Lai<br>Poster Session                                   | 527 |

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| 2:30 - 4:45PM | The Use of Large Language Models for Summarizing Progress Notes in the Cardiovascular Intensive Care Unit; ID 1987065 | <b>Vanessa Klotzman, Louis Ehwerhemuepha, Robert Kelly</b> | Presenter: Vanessa Klotzman<br>Poster Session (Technology 1: AI/Machine Learning) | 181 |
| 6:00 - 8:00PM | <b>CHOC and UCI Mixer</b>                                                                                             | <b>Everyone!</b>                                           | Hilton Hawaiian Village: Rainbow II-III (Rainbow Tower)                           |     |

#### Sunday April 27

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| 7:10 - 7:25AM   | Advancing Precision Medicine by Measuring ACEs, Toxic Stress, and Intervention Efficacy with Policy Implications; Unpredictability: A Novel Adverse Childhood Experience | Laura M. Glynn PhD, <b>Tallie Baram MD, Charles Golden DO, Michael Weiss MD</b>                                                                                                                                  | Presenter: Laura M. Glynn<br>Basic-Transitional-Clinical Roundtable |        |
| 8:30 - 10:45AM  | The Effectiveness of a Video Based Asthma Education Program in an Outpatient Pediatric Population with Diverse Literacy Skills; ID 1960957                               | <b>Mithya Jayakumar Morton, Olga Guijon, Behnoosh Afghani</b>                                                                                                                                                    | Presenter: Mithya Jayakumar Morton<br>Poster Session                | 468    |
| 8:30 - 10:45AM  | Emergency Medical Services Implementation of the Pediatric Assessment Triangle: Real-World Data; ID 1969506                                                              | <b>Shelby K. Shelton, Kellie Bacon, Helen Lee, Anahita Darabpour, Zoe Ta-Perez, Theodore Heyming</b>                                                                                                             | Presenter: Shelby Shelton<br>Poster Session                         | 125    |
| 8:30 - 10:45AM  | Faculty Development on Coaching in Graduate Medical Education; ID 1907659                                                                                                | <b>Daniel Kang, Behnoosh Afghani, Linda Gerson</b>                                                                                                                                                               | Presenter: Daniel Kang<br>Poster Session                            | 175    |
| 8:30 - 10:45AM  | Improving Screening for Social Drivers of Health in Hospitalized Pediatric Patients; ID 1972461                                                                          | <b>Charissa Lau, Holly Birkinshaw, Erika Jewell, Shelby Shelton, Raymen Assaf, Brittany Winckler</b>                                                                                                             | Presenter: Charissa Lau<br>Poster Session, Works in Progress        | WIP 78 |
| 8:30 - 10:45AM  | Neuroimaging in Children Presenting by Ambulance for Acute Neurological Symptoms; ID 1935586                                                                             | <b>Rachel Pearson MD, Nancy Hills PhD, Kellie Bacon MPH, Shelby Shelton MPH, Rowena Roque MSN, RN, Tatiana Moreno BS, Maria Kuchherzki CCRP, Carl Schultz MD, Theodore Heyming MD, Heather Fullerton MD, MAS</b> | Presenter: Rachel Pearson<br>Poster Session                         | 116    |
| 8:30 - 10:45AM  | The Role of Geography and Social Drivers of Health in Readmission Risk; ID 1973171                                                                                       | <b>Britanny Winckler, Cadence Pinkerton, Annie Qu, Louis Ehwerhemuepha</b>                                                                                                                                       | Presenter: Britanny Winckler<br>Poster Session                      | 150    |
| 8:30 - 10:45AM  | Variation in Admission and Treatment Decisions for Previous Immunocompetent Pediatric Patients Presenting to the ED with Febrile Neutropenia; ID 1971995                 | <b>Brianna Leyden, MD; Ricardo Aguilar, MS; Britanny Winckler, MD; Jennifer Lusk, MD</b>                                                                                                                         | Presenter: Brianna Leyden<br>Poster Session                         | 533    |
| 11:15 - 11:30AM | Therapeutic Potential of Human Preterm Umbilical Cord Derived Mesenchymal Stem Cells Exposed to COVID-19 in Murine Bronchopulmonary Dysplasia                            | <b>Jenni Choi MD, Fayez Bany-Mohamed MD, Cherry Uy MD, Muhammad Aslam MD</b>                                                                                                                                     | Presenter: Jenni Choi<br>Oral Abstract                              |        |

#### Monday April 28

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| 7:00 - 9:15AM | A new co-designed model of care for the developmental follow up for children born very preterm between 2-4 years of age; ID 1986211 | <b>Anderson PJ, Muggli E, Tomlison K, Harvey A</b>                                                                                                                             | Presenter: Peter Anderson<br>Poster Session                    | 594    |
| 7:00 - 9:15AM | Clinical Outcomes in Infants with Intestinal Failure: A Ten-Year Single Center Experience in a Surgical NICU                        | <b>Gina O'Toole MPH RD, Alyson Lawrence RD, Grant Shafer MD, Adnan Ismail MD, Jeffrey Ho MD, Bassam Younes MD, Mustafa Kabeer MD, Maryam Gholizadeh MD, and Irfan Ahmad MD</b> | Presenter: Gina O'Toole<br>Poster Session                      | 708    |
| 7:00 - 9:15AM | Do As I Say, Not As I Do: How Provider Advance Care Planning Status Impacts Pediatric Palliative Care Communication; ID 1973168     | <b>Brianna Leyden, MD, Sarah Keating, MD</b>                                                                                                                                   | Presenter: Brianna Leyden<br>Poster Session, Works in Progress | WIP 62 |
| 7:00 - 9:15AM | Healthcare Implementation of a Cell Phone-Based Pediatric Social Care Screener and Social Work Intervention Protocol; ID 1957080    | <b>Peggy H. Kuo, Shelby Shelton, Kellie Bacon, Lois Sayrs, Erika Jewell, Adam Gold, Clarisse Casilang, Michael Weiss, Theodore Heyming, R. Rammy Assaf</b>                     | Presenter: Peggy H. Kuo<br>Poster Session                      | 169    |
| 7:00 - 9:15AM | Investigating the Potential Pulmonary Toxicity of Acetaminophen in Preterm Infants Treated for Patent Ductus Arteriosus             | <b>Swathi Ariyapadi MD, Rhucha Joshi MD, Tricia Morpew MS, Michel Mikhael MD</b>                                                                                               | Presenter: Swathi Ariyapadi<br>Poster Session                  | 380    |

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| 7:00 - 9:15AM     | Management and outcomes of neonates with Treacher Collins and Nager syndromes                                                                                                                     | Tara L. Wenger, K. Taylor Wild, Isabella Zaniletti, Elaine H. Zackai, Janet Lioy, Cory M. Resnick, Bimal P. Chaudhari, S. Alex Rottgers, Jeffrey Goldstein, <b>Irfan Ahmad</b> , Carl H. Coghill, Semsu Gogcu, Kuan-Chi Lai, Christopher Cielo, Michael A. Padula | Presenter: Tara L. Wenger<br>Poster Session | 760 |
| 7:00 - 9:15AM     | Real-World Effectiveness of Intranasal Midazolam for Procedural Anxiety in the Emergency Department: Incidence of Nonresponse during Laceration Repair; ID 1976408                                | <b>Sarah R. Martin, Kellie Bauer, Theodore W Heyming, Jenny Zhu, Helen Lee, Zeev N. Kain</b>                                                                                                                                                                      | Presenter: Sarah Martin<br>Poster Session   | 574 |
| 7:00 - 9:15AM     | Therapeutic Potential of Human Extremely Preterm Umbilical Cord Derived Mesenchymal Stem Cell Exosomes Exposed to Extremes of Oxygen Conditions in Murine Experimental Bronchopulmonary Dysplasia | <b>Bryston Chang MD, Fayez Bany-Mohamed MD, Cherry Uy MD, Muhammad Aslam MD</b>                                                                                                                                                                                   | Presenter: Bryston Chang<br>Poster Session  | 324 |
| 7:00 - 9:15AM     | Therapeutic Potential of Human Preterm Umbilical Cord Derived Mesenchymal Stem Cell Exosomes Exposed to Maternal Marijuana at Delivery in Experimental Bronchopulmonary Dysplasia                 | <b>Adnan Ismail, Fayez Bany-Mohammed, Cherry Uy, Muhammad Aslam</b>                                                                                                                                                                                               | Presenter: Adnan Ismail<br>Poster Session   | 325 |
| 9:15 - 9:30AM     | Comparison of Mesenchymal Stem Cells in Preterm and Term Human Breastmilk                                                                                                                         | <b>Ernest Lai, MD, Muhammad Aslam, MD</b>                                                                                                                                                                                                                         | Presenter: Ernest Lai<br>Oral Abstract      |     |
| 11:00AM - 11:15AM | Project POOP: Preventing Opioid-Originated Problems, a Quality Improvement Initiative; ID 1972030                                                                                                 | <b>Brianna Leyden, MD; Katherine Stringer, MS</b>                                                                                                                                                                                                                 | Presenter: Brianna Leyden<br>Oral Abstract  |     |