

2024 Research Symposium

February, 29 – March 1, 2024

Hochberger Auditorium

Overall Conference Objectives:

1. Recognize multidisciplinary achievements in research, evidence-based practice and quality improvement.
2. Identify the importance of inter-professional collaboration and communication amongst the healthcare team to improve patient care.
3. Introduce research to clinical areas or specialties that are not currently engaged including clinical/educational initiatives and community outreach programs at Cook Children's Health Care System.

Thursday, February 29, 2024

7:30 – 8:30	Registration & breakfast Exhibits open
8:30 – 9:30	Welcome & Keynote Speaker: Hyperinsulinism Center through Cook Children's Endowed Chair Program – Paul Thornton, MD
9:30 – 9:45	Break Exhibits open
9:45 - 10:15	Business Opportunities – Jeff Kurland & William Stigall, MD • Outline the cost of conducting research. • Describe both internal and external resources that are available to researchers to fund research. • Discuss the purpose and process of the Endowed Chair at Cook Children's.
10:15 – 11:00	Turning an Idea into a Clinical Service Line: Lessons from the Exercise Respiratory Center – John Robertson, MD • Describe the steps involved in developing an idea into a new clinical service line. • Explain how to answer in general the different portions of the Cook Children's Endowed Chair Application
11:00– 11:30	Lunch Exhibits open
11:30 – 12:15	Funding Opportunities - Christos Papadelis, PhD • Identify sources of extramural funding for supporting your research • Identify the fundamentals of preparing and writing a clear and concise NIH research grant (RO1, RO3, R21) • Discuss the steps in the NIH review process and recognize the criteria that NIH uses to evaluate your grant application

12:15 – 1:00	The Unique Role of a Pharmacist in Clinical Research- Micha Koentz, PharmD and Jamie Haswell, PharmD - Describe the role of pharmacists and pharmacy technicians within a research department - Define the expanded access process (EAP), including the key requirements for a request
1:00 – 1:45	Oral Presentations – selected abstract submissions (10 min each) - Quality - Research - EBP - Case Report - Demonstrate the various methods of evaluating and disseminating information. - Discuss the clinical impact of methodologically evaluating patient data.
1:45- 2:00	Break Exhibits Open
2:00 – 2:45	Poster Session
2:45 – 3:15	Research Informatics and Health Information: What’s in the toolbox? How do I use it? - George Morris, AVP, Research Informatics - Define and explain the key concepts in research informatics and business intelligence, such as data management, data mining, data visualization, and machine learning. - Identify and use the appropriate tools and techniques for data analysis and visualization. - Collaborate effectively with other researchers and health care professionals to develop and implement data-driven solutions.
3:15 – 4:00	The Pediatric Research Program (PRP) - The Ins and Outs of Medical Students in Research – Priya Bui, DO, UNT Health Science Center - Describe the necessary steps for working with students on research projects - List the types of projects that work best for the PRP - Explain the benefits for both investigator and students of the PRP
4:00 – 4:45	Case Reports - Patient Focused Introduction to Research- Dave Shahani, MD
4:45 – 5:00	Closing Remarks – William Stigall, MD

Friday, March 1, 2024

8:00 – 8:30	Registration & Breakfast
8:30 – 9:00	Welcome & Introduction - William Stigall, MD and Julie Van Orne, MSN, RN, CPN
9:00 – 10:30	Nursing Led Research The Impact of Therapeutic Holding of Infants with Medical Complexity on Ventilator Days, Weight, Length, and Social Withdrawal – Debbie Lavine, OTD-D OTR/L CIMI, CPST, Mandi Nottoli, MSN, RN, CPN, CNL, Julie Van Orne, MSN, RN, CPN, CNL - Review the concept of social withdrawal in infants, including causes and symptoms - Discuss the hypothesized relationship of daily therapeutic holding and physiological and psychological health in infants - Review the challenges and lessons learned while conducting research on a large, interdisciplinary unit The Effectiveness of Implementation of an Early Ambulation Device (IVEA) on Pediatric Patients Post-Abdominal or Spinal Fusion Surgery on Decreasing Lengths of Stay, Preventable Readmissions, and Hospital-Acquired Condition (HAC) Rates, and Increasing Ambulation Rates and Patient/Family Satisfaction - Andrea Knott, BSN, RN, CPN & Jordan Staggs, MSN, RN - Review the barriers to early and frequent ambulation in post-surgical children - Discuss the impact of using an early ambulation device on a large surgical nursing unit on patient outcomes and patient/family satisfaction - Identify successes and challenges encountered when conducting nurse-led research The Use of Assist Devices on Peripheral Intravenous (PIV) Access in Pediatric Patients by the Vascular Access Team: Prospective Study Examining the Predictors of PIV Success Rates - Kathy Grieser, BSN, RN, VA-BC - Identify common challenges for peripheral vascular access procedures in the pediatric patient. - List factors which may be associated with lack of first time success rates in IV starts and potential impact of repeated attempts. - Identify patient characteristics that will assist in vein visualization device selection for vascular access procedures in the pediatric patient population.
10:30 – 11:00	Break

11:00 – 11:45	Child Study Center – Current Research on Language Assessment and Intervention in Children with Autism Spectrum Disorder – Lee Mason, PhD, BCDA-D - Describe autistic behavior as an imbalance of environmental interactions, - List the primary functions of language, and - Explain how “errorless learning” can be used to strengthen the language skills of children with autism
11:45– 12:30	Mental Health and Parenting Support: Connecting the dots for families through community health research and outreach – Becki Hale, MA, RDH - Describe Cook Children’s triennial Community Health Needs Assessment (CHNA) purpose, methodology, and dissemination efforts. - Identify key results regarding children’s mental health, parenting support and adverse childhood experiences from Cook Children’s most current CHNA. - Recognize existing implementation strategies carried out by Cook Children’s Center for Community Health (C4CH) around mental health and parenting support, and the strategies’ impact on a child’s non-medical drivers of health. - Describe how community health workers within C4CH connect families to community resources, reduce barriers to accessing health care, and ultimately empower parents and caregivers to be an advocate in their child’s well-being.
12:30 – 1:15	Lunch
1:15 – 2:00	Overview of an AYA Oncology Psychosocial Research Program – Daniel Elledge, PhD - Describe the research role of a psychologist in a medical setting - Summarize psychosocial concerns and research needs for AYA oncology patients - Provide overview of AYA oncology psychosocial projects
2:00 – 2:45	Poster Breakout Session
2:45 – 3:30	Neuroscience and Mental Health Research in an Unique Hospital-Laboratory Center - Crystal Cooper, PhD - Discuss brain and behavior research concepts - Describe multimodal data techniques used for brain and behavior research and the importance of partnerships - Highlight investigator-initiated research taking place at part of Cook’s Justin Institute for Mind Health
3:30 – 3:45	Closing Remarks – William Stigall, MD

