

5th Annual Center for Children's Surgery Research Symposium

Friday, February 18, 2022

Overview and Target Audience

Through specific lectures and discussions led by experts in the field of Surgical Research, the goal of the conference is for participants to enhance their foundation of knowledge and practical research strategies to better care for their patients. This year's Research Symposium will highlight multidisciplinary collaborations across our campus and will be of interest to pediatric and adult surgeons, research specialists, registered nurses, advanced practice nurses, and interested care providers in surgical research disciplines.

Educational Objectives

At the conclusion of the activity, participants should be able to identify the advances in:

- Clinical outcomes research with the wide spectrum of surgical disciplines.
- Basic science research with the wide spectrum of surgical disciplines.
- Translational science research with the wide spectrum of surgical disciplines.
- Quality improvement research with the wide spectrum of surgical disciplines.
- Multidisciplinary team science research with the wide spectrum of surgical disciplines.

Registration

Registration is required.

Detailed instructions to participate will be provided.

Completion of the online evaluation is required to obtain CME credit.

Please support our speaker(s) and the accreditation requirement.

NEW! This activity is hosted on Continuing Education at Children's Hospital Colorado new learning home for professional education.

Log-In, access the single sign on to start your profile, if you have not already done so. Mobile device is required for mobile check in on the day of the event.

[Register Here](#)

CE home <https://ce.childrenscolorado.org/>

Continuing Education Credit

Medical: Children's Hospital Colorado is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Children's Colorado designates this Other activity (Internet live course) for a maximum of 4.25 *AMA PRA Category 1 Credit(s)*[™]. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Other

A general certificate of attendance will be provided for all other health care providers.

Location

This conference will be hosted virtually.

Further Information

If you have questions or to request arrangements to accommodate a disability, please contact Claudia Mata, MPH, Program Coordinator, Center for Research in Outcomes for Children's Surgery (ROCS), Center for Children's Surgery. (720) 777-0798 or email claudia.mata@childrenscolorado.org

See symposium schedule – next page

CCS Research Symposium Schedule

Friday, February 18, 2022

8:00 AM – 8:10 AM Opening Remarks

Duncan Wilcox, MBBS, MD
Surgeon-in-Chief
Director, Center for Children's Surgery
Chair, Pediatric Urology
Professor, Pediatric Urology

8:10 AM – 9:00 AM Outcomes Podium Session

Moderators: Nick Cost, MD & Kerry-Ann Mitchell, MD PhD

Aubrey Armento, MD: *Energy Availability and Disordered Eating in Adolescent Athletes*

Jiawei Liu, MS: *Normative Temporal Model of Cranial Bone Development, Mineral Density Changes and Sutures Fusion*

Jenny Stevens, MD, MPH: *A Precision-Designed Gastrotomy Button Securement Device*

Nathan J. Teynor, BS: *Olfactory Dysfunction and Training in Children with COVID-19 Infection: A Prospective Study*

Veronica Alaniz, MD, MPH: *Provider Practices Using Vaginal Stents*

9:00 AM – 10:00 AM e-Poster Session (non-CE)

10:00 AM – 10:15 AM Break

10:15 AM – 11:00 AM Keynote Address

Pediatric Surgical Innovation: Pitfalls, Considerations, and Controversies

Catherine Hunter, MD, FACS, FAAP
Associate Professor
Department of Surgery, Division of Pediatric Surgery
Vice Chief and Program Director

Paula Milburn Miller Chair of Pediatric Surgery
Oklahoma Children's Hospital
The University of Oklahoma

11:00 AM – 11:50 AM **Basic/Translational Science
Podium Session**

Moderators: Catherine Hunter, MD & Emily McCourt, MD

Ryan Larochelle, MD: *In-Utero Enucleation of Fetal Sheep to Establish a Model for Congenital Anophthalmia*

James Bardill, MS: *Topical Delivery of Cerium Oxide Nanoparticles Conjugated with MicroRNA-146A Accelerates Diabetic Wound Healing*

Connor Elkhill, BS: *Age-Dependent Machine Learning Model Improves Head Shape Characterization and Enables Longitudinal Evaluation of Patients with Craniosynostosis*

Setareh Ekhteraei, BS: *STRC Gene Mutations as a Leading Cause of Pediatric Sensorineural Hearing Loss*

George Burnet, BS, BA: *Incidence of Posterior Urethral Valves in Infant Boys with Bilateral Hydronephrosis*

11:50 AM – 12:25 PM **Lunch**

12:25 PM – 1:15 PM **Outcomes Podium Session**

Moderators: Soham Roy, MD & Vijaya Vemulakonda, MD, JD

Dor Yoeli, MD: *Can Non-Directed Living Liver Donation Correct Socioeconomic Disparities Inherent to Pediatric Living Donor Liver Transplantation?*

Brian Herrmann, MD: *Aerosol Mitigation in the Era of COVID-19*

Alyssa Vaughn, MD: *Early Outcomes of a Myofascial Repair Technique for Fetal Myelomeningocele*

Rachael Martino, BA: *Novel Use of an O-Arm Following Open Reduction of a Dislocated Hip for a Walking Age Patient Provides a Low-Radiation Alternative to CT*

Marina Reppucci, MD: *Trainee Education Curriculum Improves Central Venous Catheter Repair Outcomes*

1:15 PM – 2:00 PM

Keynote Address

Neuroplastic Surgery: Optimizing Cranial Reconstruction Outcomes Through Innovation and Multidisciplinary Collaboration

Kerry-Ann Mitchell, MD, PhD

Assistant Professor

Department of Plastic & Reconstructive Surgery, Division of Neuroplastic Surgery

Wexner Medical Center

The Ohio State University

2:00 PM – 2:45 PM

Panel: Innovation Research within Surgery Departments

Moderators: Shannon Acker, MD & Allyson Alexander, MD PhD

Panelists: Veronica Alaniz, MD, MPH
Steven Moulton, MD
Mark Rentschler, PhD
Cristin Welle, PhD

2:45 PM – 2:50 PM

**Closing Remarks
Evaluation and Adjourn**