



9TH ANNUAL

Center for Children's Surgery Research Symposium

Presented by: Center for Children's Surgery

From Science to Scalpel: Crafting a Research Dream Team

February 27, 2026

8:00 AM - 4:15 PM

Mt. Oxford/Yale, CHCO Conference Center



Children's Hospital Colorado

9th Annual Center for Children's Surgery Research Symposium

Friday, February 27, 2026

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 how to Craft a Research Dream Team, 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.

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 Live activity for a maximum of 5 *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 in-person at the Children’s Hospital Colorado Conference Center.

Further Information

If you have questions or to request arrangements to accommodate a disability, please contact Allyson Calderon, Research Coordinator, Research in Outcomes for Children’s Surgery (ROCS), Center for Children’s Surgery. (720) 777-5001 or email allyson.calderon@cuanschutz.edu.

See symposium schedule – next page

CCS Research Symposium Schedule

Friday, February 27, 2026

8:00 AM – 8:30 AM **Breakfast**

8:30 AM – 8:35 AM **Opening Remarks**

Duncan Wilcox, MBBS, MD

Surgeon-in-Chief

Director, Center for Children's Surgery

Professor, Pediatric Urology

8:35 AM – 9:35 AM **Basic/Translational Science
Podium Session**

Moderators: Sarah Gitomer, MD & Allyson Alexander, MD

Systemic Vincristine-Induced Bladder Dysfunction in Juvenile Female Mice: Implications for Pediatric Cancer Survivorship

Nao Iguchi, PhD, Urology

Ex vivo Heart Perfusion with Cyclosporine Inhibits Ischemia Reperfusion Injury and Promotes Post Transplantation Myocardial Function in a Murine Model

Jason Breithaupt, MD, Cardiovascular Surgery

Geocoding and Geospatial Analysis to Identify and Characterize Environmental Risk Factors for Pediatric Auto-Pedestrian Injury in High-Deprivation Neighborhoods

Emily Myers, MD, Pediatric Surgery

Complex radiotherapy response in adamantinomatous craniopharyngioma - evidence from patient-derived preclinical models

Yan Zhou, MD, Neurosurgery

Use Of Mri-Derived Pulmonary Venous Flow in Pvr Calculation is Superior to Conventional Methods of Determining Pulmonary Flow For Use in Pulmonary Vascular Resistance Calculations

Nicolas Drysdale, MD, Cardiovascular Surgery

Use of aflibercept and bevacizumab for treatment-requiring retinopathy of prematurity

Samantha Butterfield, MD, Ophthalmology

9:35 AM – 9:45 AM

Break

9:45 AM – 10:45 AM

**Quality Improvement &
Multidisciplinary Team Science
Podium Session**

Moderators: Kelly Harris, MD & Jonathan Hills-Dunlap, MD

Intraoperative Ketorolac Improves Pain Control and Recovery Times in Children Undergoing Intracapsular Tonsillectomy: A Quality Improvement Initiative

Steve Leoniak, MD, Otolaryngology

Triangular Morphology of the Anterior Fontanelle on Computed Tomography Imaging in Sagittal Craniosynostosis

Cindy Li, BS, Neurosurgery

Untargeted proteomic discovery analysis in patients with adolescent idiopathic scoliosis identifies proteins and pathways differentially correlated with curve severity in male vs female patients

Mallory Karr, MS, Orthopedics

Consensus is possible: utilization of a modified Delphi analysis to standardize postoperative orders and expectations in a multi-site pediatric urology practice

Emily Clennon, MD, Urology

ACS-NSQIP Risk Calculator: Considering Surgeon Experience, Hospital Size, and Specialized Procedures

Ryan Dang, BS, Plastic Surgery

A pilot evaluation of P score implementation in retinopathy of prematurity care

Emily Cole, MD, MPH, Ophthalmology

10:45 AM – 11:00 AM

Break

11:00 AM – 11:55 AM **Keynote Address**

Engineering the airway: how creating organs for tomorrow can make us better surgeons today

Tendy Chiang, MD

Associate Professor, The Ohio State University College of Medicine
Director of Research, Department of Otolaryngology - Head and Neck Surgery
Nationwide Children's Hospital

12:00 PM – 1:00 PM **Lunch**

1:00 PM – 2:00 PM **Poster Session**

2:00 PM – 3:00 PM **Outcomes Podium Session**

Moderators: Jill Kaar, PhD & Steve Scott, MD

Chronological and Dental Age, Dental Anomalies, and Orthodontic Malocclusion Patterns in Children with Autism Spectrum Disorder Compared with Neurotypical Peers: A Retrospective Case-Control Study

Gabriella Ciancimino, DMD, Dental

Personalized Prediction of Pre- and Post-Surgical Development of Patients with Craniosynostosis using Transformer Neural Networks

Thalia Le, BS, Plastic Surgery

Beyond the Lens of PROMIS: Adolescent Experiences of Health-Related Quality of Life with Vascular Malformations

Lauren Hill, CPNP-PC, Pediatric Surgery

A Comparison of Different Surgical Approaches for Anterior Distal Femoral Hemiepiphysiodesis on Sagittal Knee Kinematics

Jessica Stockhausen, MS, Orthopedics

Doxorubicin Exposure and Lower Urinary Tract Dysfunction: Insights from Adults with Implications for Pediatric Cancer Survivors

Ali Teimouri, MD, Urology

Aerodigestive and Surgical Outcomes Following Repair of Pediatric Right Aortic Arch with Aberrant Left Subclavian Artery: A Longitudinal Analysis
Swetha Tatineni, MD, Otolaryngology

3:00 PM – 3:10 PM **Break**

3:10 PM – 4:00 PM **Panel Discussion**

Dream Team Dynamics: Expert Insights on Research Collaboration

Moderators: Jill Kaar, PhD

Panelists: Tendy Chiang, MD
Cindy Buchanan, PhD
Shanlee Davis, MD, PhD
Matthew Stone, MD

4:00 PM – 4:15 PM **Closing Remarks & Awards**

Thank you for joining us!

Hope to see you next year at the 10th Annual CCS
Research Symposium

CME Credits

You must complete an evaluation in order to receive CME credit for attending today.



Contact Information

Allyson.Calderon@cuanschutz.edu

720-777-5001