

2025 Midwest

Pediatric Cardiology

Society Annual Meeting

Omaha, Nebraska | September 18-19



Meeting Information and Logistics

Registration Desk Hours and Check-In

The registration desk will initially be located at **The Farnam – Rosewater Ballroom** and will be open during the following times:

- **Thursday, Sept. 18:**
11:00 a.m. – 12:00 p.m. at The Farnam
12:00 p.m. – 4:00 p.m., registration will move to the Holland Performing Arts Center – ConAgra East Lobby.
- **Friday, Sept. 19:**
7:00 – 8:00 a.m. at The Farnam
8:00 – 9:30 a.m., registration will continue at the Holland Performing Arts Center – ConAgra East Lobby.

During registration hours, you may check in to:

- » Pick up your name badge (required for all sessions)
- » Collect zoo tickets (if purchased)
- » Receive guest name badges (if applicable)
- » Pay for optional add-on activities, in case you decide to participate last-minute

Please note: All educational sessions will take place at the **Holland Performing Arts Center – Scott Hall**.

Name badges are required for entry into all meeting sessions and activities.

Guest Policy

Each registrant may bring up to two adult guests (ages 21 and older).

Adult guests are welcome to attend the:

- Thursday Dinner and Guest Speaker
- Friday Event at Omaha Henry Doorly Zoo and Aquarium

Please note: These events are intended for medical professionals and their adult guests only; children are not permitted.

Adult guests must wear name badges to attend all official event functions.

MWPCS does not provide childcare services. Due to limited seating and the technical nature of the meeting, children are not permitted in educational sessions. For their safety, children must be accompanied by an adult at all times.

Parking

Ampco System Parking Garage

1202 Harney Street, Omaha, NE 68102

Entrance located just off 12th Street

Garage Rates:

- 0–1 Hour: \$4
- 1–2 Hours: \$7
- 2–3 Hours: \$9
- 3–4 Hours: \$10
- Each additional hour: +\$1
- Daily maximum: \$21

Valet Parking: Available for \$35

Please Note:

- No in/out privileges
- Credit card only — cash is not accepted

Optional Registration Add-Ons

If you did not select these events during your initial registration, there's still time to add them—as space allows.

• Thursday Dinner & Guest Speaker

6:15 – 9 p.m. | The Farnam – Rosewater Ballroom

\$75 per person (limit: the participant + up to two adult guests)

Join us for a special evening of conversation, connection, and inspiration, featuring guest speaker Dr. Taylor Yaw, Vice President of Science and Animal Health at the Omaha Henry Doorly Zoo and Aquarium. A respected leader in the fields of animal health, science, and conservation, Dr. Yaw oversees the Zoo's teams in veterinary medicine, animal nutrition, genetics, and reproductive sciences. His work ensures the highest standards of animal care while advancing innovative conservation and science programs.

- » This is a **plated dinner** event, and **space is limited**.
- » If you selected this event during your initial registration, it will be noted on your name badge.
- » If you did not register for the dinner previously, you may still add it to your registration – as space allows. On-site additions will only be accommodated if seating is available.
- » This session is not CE-accredited.



For additional meeting materials, including speaker handouts, scan the QR code.

- **Friday Morning Fellows Breakfast**

7 – 8 a.m. | *The Farnam – Rosewater Ballroom*

Join us for an **exclusive** breakfast event designed for **fellows, residents, and students**. This is a valuable opportunity to connect with peers, engage in meaningful conversation, and enjoy a relaxed start to the day.

- » If you selected this event during your initial registration, it will be noted on your name badge.
- » If you did not include this event in your original registration, you may still be able to add it, subject to availability. Reserved seating is limited, and additional space may not be guaranteed.

- **Friday Evening Special Event**

5:30 – 9 p.m. | *Omaha Henry Doorly Zoo and Aquarium*

\$20 per person (participant plus up to two adult guests)

Join us for a truly special evening at the Omaha Henry Doorly Zoo and Aquarium—widely regarded as one of the top zoos in the United States. Attendees and their adult guests are invited to experience the zoo after hours, featuring:

- » Local food trucks and refreshments
- » Exclusive behind-the-scenes insights from Dr. Taylor Yaw, Vice President of Science and Animal Health
- » A unique look into the zoo's cutting-edge animal care and conservation efforts

This is a great way to wind down after the day's sessions, enjoy a fun and informal atmosphere, and connect with fellow attendees in a one-of-a-kind setting.

Please note:

- * This event is intended for medical professionals and their adult guests only — children are not permitted.
- * A zoo admission pass is not required to attend this event.
- * If you selected this event during your initial registration, it will be noted on your name badge.
- * If you did not include this event in your original registration, you may still be able to add it – subject to availability.

- **Discounted Zoo Passes**

If you pre-purchased passes, please stop by the registration desk to collect them.

Exhibit Hall

Be sure to stop by the exhibit area during break times to connect with our exhibitors and explore the resources they have to offer.

Exhibits will be located in the **Holland Performing Arts Center – ConAgra East Lobby**.

We encourage you to take advantage of this opportunity to engage with our valued exhibitors and learn more about the tools and services they provide.

Mobile Device Policy

Please remember to turn your mobile device to silent or vibrate mode when attending educational sessions.

Internet Access

Complimentary WiFi is available throughout the meeting area at the Holland Performing Arts Center.

- **Network:** Holland Guest
- **Password:** No password required — just follow the prompts to enter requested information.

Complimentary WiFi is also available throughout The Farnam, Autograph Collection, for all attendees.

Photography and AV Recording Policy

Please be aware that during the 2025 MWPCS Annual Meeting, attendees, vendors, guests, and exhibitors may be photographed or videotaped by UNMC and/or third parties authorized by UNMC. Some of these images and videos may be used in future UNMC publications or promotional materials.

By attending, you consent to UNMC's use of your image in these materials.

Photography for social media sharing is welcome; however, please avoid capturing presentation slides in your photos or videos. When posting on social media, kindly use **#2025MWPCS** and **#IamUNMC**.

Education Information

Meeting Overview

The Midwest Pediatric Cardiology Society (MWPCS) Annual Meeting brings together leading experts in the field to explore innovative strategies and share insights that will enhance the quality of care provided to young patients with cardiovascular needs.

This year's theme, *"Expanding the Scope of Pediatric Cardiology,"* aims to underscore the importance of contemporary, multidisciplinary approaches in managing pediatric patients with heart conditions.

Educational Objectives

At the conclusion of this activity, the participants should be better able to:

1. Summarize recent advances in cardiac rehabilitation and cardiopulmonary exercise testing, focusing on their impact on pediatric patient outcomes.
2. Demonstrate interdisciplinary strategies for applying cardiac rehabilitation in pediatric patients.
3. Integrate recent developments in cardiac rehabilitation into multidisciplinary care plans to improve functional outcomes and quality of life for pediatric patients with heart conditions.
4. Analyze current screening guidelines and pharmacologic management strategies for lipid disorders in children.
5. Identify effective methods for assessing and treating lipid abnormalities to reduce cardiovascular risk factors in the pediatric population.
6. Describe recent innovations in cardiac genetics relevant to pediatric cardiology.

7. Identify emerging trends in the clinical application of cardiac genetics in pediatric cardiology.
8. Incorporate cutting-edge technologies into routine pediatric cardiology care to support personalized treatment and improve diagnostic accuracy.
9. Outline how technological advancements, including artificial intelligence, can streamline diagnostic processes and improve pediatric patient care.

Target Audience

This accredited continuing education activity is designed for a multidisciplinary audience involved in the care of pediatric cardiology patients, including physicians, advanced practice providers, nurses, fellows, residents, and students with an interest in pediatric cardiovascular care.

Accreditation and CE Credits



In support of improving patient care, University of Nebraska Medical Center is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.

Physicians

The University of Nebraska Medical Center designates this live activity for a maximum of 9.0 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Nurses

The University of Nebraska Medical Center designates this activity for 9.0 ANCC contact hours. Nurses should only claim credit for the actual time spent participating in the activity.

Meeting Directors

- Jeffrey A. Robinson, MD
Associate Professor, Division of Pediatric Cardiology, Department of Pediatrics, UNMC

- Jeffrey W. Delaney, MD
Theodore F. Hubbard Endowed Chair in Pediatric Cardiology;
Chief, Division of Pediatric Cardiology; Professor, Department of Pediatrics, UNMC

Sponsor

This meeting is sponsored by the UNMC Department of Pediatrics, Division of Pediatric Cardiology through the resources of the UNMC Center for Continuing Education and the UNMC College of Nursing Continuing InterProfessional Development and Innovation (CiPDI).

Disclosure Declaration

As a jointly accredited provider, the University of Nebraska Medical Center (UNMC) ensures accuracy, balance, objectivity, independence, and scientific rigor in its educational activities and is committed to protecting learners from promotion, marketing, and commercial bias. Faculty (authors, presenters, speakers) are encouraged to provide a balanced view of therapeutic options by utilizing either generic names or other options available when utilizing trade names to ensure impartiality.

All faculty, planners, and others in a position to control continuing education content participating in a UNMC-accredited activity are required to disclose all financial relationships with ineligible companies. As defined by the Standards for Integrity and Independence in Accredited Continuing Education, ineligible companies are organizations whose primary business is producing, marketing, selling, re-selling, or distributing healthcare products used by or on patients. The accredited provider is responsible for mitigating relevant financial relationships in accredited continuing education. Disclosure of these commitments and/or relationships is included in these activity materials so that participants may formulate their own judgments in interpreting its content and evaluating its recommendations.

This activity may include presentations in which faculty may discuss off-label and/or investigational use of pharmaceuticals or instruments not yet FDA-approved. Participants should note that the use of products outside currently FDA-approved labeling should be considered experimental and are advised to consult current prescribing information for FDA-approved indications.

All materials are included with the permission of the faculty. The opinions expressed are those of the faculty and are not to be construed as those of UNMC.

To receive continuing education credits, you must:

1. Check in at the registration desk and attend the live activity.
2. Complete the online evaluation via the UNMC MyCCE portal.

go.unmc.edu/MyCCE-Portal

- On your dashboard, click Evaluate an Activity.
- Enter Activity Code: **64995**

You have until **Oct. 9, 2025**, to claim credit for this activity. You will need to complete the evaluation and attest to the time you spent participating in the activity. Your certificate will be saved in your UNMC MyCCE account under Certificates & Transcripts.

**How to Claim
Continuing
Education
Credit**

Faculty

The following have disclosed relevant financial relationships:

- Amanda Marshall, MD*
Clinical Case Writer: Doximity
- William Orr, MD, FAAP, FACC
Market Research: Opinion Leader Group
- Adam Powell, MD, MS, FACC
Consultant: Sanofi
- Annamarie Saarinen, MA
Co-Founder and Co-PI Clinical Research: Bloom Standard

The following has disclosed off-label experimental or investigational use of drugs:

- Annamarie Saarinen, MA
Regulatory Status, Clinical Investigations (CHD) – RAPIDscan
Pediatric Ultrasound

The following have nothing to disclose:

- Drew Cratsenberg, MS, CGC
- Mark DeBrunner, MD
- Jeffrey W. Delaney, MD*
- Britni Delva, PA-C, CLS*
- Daniel Ehrmann, MD, MS
- Alex Foy, MD*
- Jeffrey P. Gold, MD
- Sarah Henson, MD
- Talha Niaz, MBBS
- Michael Randone, MS, ACSM EP-C
- Jeffrey A. Robinson, MD*
- Caleb Ross, MS
- Lois Starr, MD, PhD, FAAP, FACMG
- Keith Station
- Christopher Sumski, DO, MEd
- Daniel Vari, MD*
- Alan Wang, MD
- John Windle, MD
- Taylor Yaw, DVM, DACZM, DABVP

Abstract Presenters

The following has disclosed a relevant financial relationships:

- Dhruvil Patel, MD
Consultant: SumHealth

The following have nothing to disclose:

- Amjad Abdelrahim, MD
- David Bergstrand, MD
- Lucia Billings
- Thomas Blount, MD
- Chana Bushee, MD

- Songita Choudhury, MD, PhD
- Michael Clark, MD, MSc
- Katherine Dolan
- Emily Forster, MD
- John Hokanson, MD
- Benjamin Kash
- Peter Lamberton
- Priya Nair, MD
- Nirmala Persaud, MBA
- Michael Rigor, MD
- Spencer Robinson, MD
- Seyedeh Zahra Tara, MD
- Samiah Ziadeh, MD

Planning Committee

The following have disclosed relevant financial relationships:

- Jonathan Cramer, MD
Consultant: Medtronic
- Amanda Marshall, MD
Clinical Case Writer: Doximity

The following have nothing to disclose:

- Cece Abbey-Webben, MS
- Venus Anderson, APRN-NP
- Jason Cole, MD
- Valeta Creason-Wahl, MMP
- Scott Fletcher, MD
- Samantha Gilg, MD
- Julie Huglin
- Smrithy Jacob, MD
- Amanda Jepson, DO
- Santosh Kaipa, MD, MS
- Heidi Keeler, PhD, MSN/MBA, RN
- Adam Larsen, DO
- Ling Li, MD, PhD, APCA, FASE
- Renee Paulin, DNP, MSN, RN, CWOCN
- Priscilla Phillips
- Brenda Ram, CMP, CHCP
- Jeffrey Salomon, MD, MBA
- Ashley Scheffer, MD
- Jill Shivapour, MD
- Matthew Sorensen, MD
- Jennifer Strawn, BSN, RN
- Rachel Taylor, MD
- Melissa Wehrmann, MD
- Timothy Welch, MSPH, MD
- Wenyan Xu, MD
- Angela Yetman, MD

Poster Presentations

Association of Maternal Residence with Failure to Detect Fetal Congenital Heart Disease

Diego A. Trejo^a, Ling Lia, Jeffrey A. Robinson^a, Alex J. Foya

^aDepartment of Pediatrics, Children's Nebraska, Omaha, NE

Increasing Role of Whole Exome Sequencing in the Evaluation of Cardiomyopathies in Children

A. Abdelrahim (presenting author); A. Abdelhafiz; E. Talarico; B. Petersen; G. Lehmann; W. King; S. Braddock; C. Tan; C. Huddleston; E. Bonura; V. Exil
Saint Louis University School of Medicine, St. Louis, MO

First Report of Asymptomatic Bicuspid Aortic Valve in Galloway- Mowat Syndrome Type 7: A Case Report and Screening Recommendation

A. Abdelrahim, MD; E. Bonura, MD

Saint Louis University School of Medicine, St. Louis, MO

Pentology of Cantrell: Pulsatile Umbilical Mass Unveiling a Congenital Cardiac Defect

A. Abdelrahim, MD; A. Abdelhafez; C. Tan, MD; R. Peterson, MD; W. King, MD
Saint Louis University School of Medicine, St. Louis, MO

Prevalence of Spirometry Abnormalities in Patients with Tetralogy of Fallot and Fontan Circulation

Clara Garcia, MD, Alan Wang, MD, Garrett Griffith, PhD, MPH, Kendra Ward, MD, MS

Northwestern University, Chicago, IL

Hemodynamically Significant Isolated Major Aortopulmonary Collateral: A Case Report

J. Leith¹, J. Batten², M. Noe², V. Kieu²

¹University of Kentucky, College of Medicine, Lexington, KY

²University of Kentucky, Department of Pediatrics, Lexington, KY

Improving Postoperative Arrhythmia Diagnosis Through Case-Based Education and Atrial Electrogram Interpretation for Pediatric and Adult CHD

Dalton Roth MS, Jenna Torgeson NP, Nicholas H. Von Bergen MD

University of Wisconsin Madison School of Medicine and Public Health. University of Wisconsin—Madison, Madison, WI

Unmasking the Unexpected: A Rare Case of Rheumatic Heart Disease in a Pediatric Patient

Paul Wilkinson¹, Andrew Nguyen, DO², Jeffrey Robinson, MD²

¹Creighton University School of Medicine, Omaha, Nebraska

²Children's Nebraska, Omaha, Nebraska

Modern Application of Modified Blalock-Taussig-Thomas Shunt Establishes Pulmonary Blood Flow in Newborn with Isolated Ductal Origin of the Pulmonary Artery After Ductal Closure

Nicholas DiChristofano¹, Megan Simpson², Osamah Aldoss², Michael Mitchell³, Matthew Buelow²

¹Department of Pediatrics, Medical College of Wisconsin, Milwaukee WI, USA,

²Department of Pediatric Cardiology, Children's Wisconsin, Milwaukee WI,

³Department of Cardiothoracic Surgery, Children's Wisconsin, Milwaukee WI

Right aortic arch with isolated left subclavian artery in 22q11 deletion syndrome

Alexis Stockwell, BS; Spencer Robinson, MD; Trey Jantzen, MD

Children's Hospital & Medical Center, Omaha, NE

Creighton University School of Medicine, Omaha, NE

Pathogenic Scn5a Mutations and Pediatric Atrial Arrhythmias: A Case Report with Narrative Literature Review

Zach Headley¹, Jeffrey Robinson¹, Matthew Sorensen¹, Daniel Vari¹

¹Division of Cardiology, Department of Pediatrics, University of Nebraska Medical Center, Omaha, NE

Prolonged Qt Interval Increases Risk of Liver Dysfunction in Turner Syndrome Patients

Carson Dominisse, Jeffrey Robinson, MD, Anji Yetman, MD

UNMC & Children's Nebraska, Omaha, NE

Case Series: Two Patients with Atrial Situs Inversus with Differing Outcomes After Surgical Palliation

Nathan Whitley, MD^{1,2}, Smrithy Jacob, MD^{1,2}

¹University of Nebraska Medical Center, Omaha, NE

²Children's Nebraska, Omaha, NE

From Paralysis to Heart Block: A Diagnostic Challenge in Andersen- Tawil Syndrome

Andrew Nguyen M.Eng, DO^{1,2}, Danita Velasco MD^{1,2}, Jeffrey Robinson MD^{1,2}

¹University of Nebraska Medical Center, Omaha, NE

²Children's Nebraska, Omaha, NE

Discordant Rejection Surveillance: Elevated Donor-Derived Cell-Free DNA in an Asymptomatic Pediatric Transplant Recipient

Andrew Nguyen DO^{1,2}, M. Eng^{1,2}, Jason M. Cole MD^{1,2}

¹Children's Nebraska, Omaha, NE

²University of Nebraska Medical Center, Omaha, NE

Safety And Hemodynamic Effects of Intrapulmonary Percussive Ventilation in Critically Ill Children

Payton Keller, Amanda Marshall, MD, Laura Ortmann, MD

Children's Nebraska, Omaha, NE

Konno Incision Not Associated with Left Ventricular Dysfunction After Infant Ross Procedure

Gabriela C. Garay, David Winlaw, Madison Argo, Awais Ashfaq, Julian Ayer, David Barron, Andres Fuentes-Baldemar, Stephanie Fuller, Lauren Goldie, Jason Greenberg, Jeffrey Heinle, Adil Husain, Alyssa Kalustian, Jack Luxford, Constantine Mavroudis, Luc Mertens, Yishay Orr, Valeria Pena-Munoz, David Morales, Garick Hill

Cincinnati Children's Hospital Medical Center, Cincinnati, Ohio

Transcatheter Ductal Closure Via Trans-Jugular Approach

Smrithy Jacob, MD^{1,2} and Rachel Taylor, MD^{1,2}

¹University of Nebraska Medical Center, Omaha, NE

²Children's Nebraska, Omaha, NE

Catheter-Directed Targeted Surgical Ablation in Children with Ebstein Anomaly

Michael Penfold, MD, Joseph Dearani, MD, Philip Wackel MD

Mayo Clinic, Rochester, MN

Aggressive Surgical Management of Ultra-High Risk Tracheal Pathology: How Much Is Too Much?

M Butler¹; L Zhang^{2,3}; K Yan^{2,3}; M Mitchell^{2,3}

¹SUNY Downstate College of Medicine, Brooklyn, NY; ²Medical College of Wisconsin, Milwaukee, WI; ³Children's Wisconsin, Milwaukee, WI

Ebstein Anomaly and Congenital Tricuspid Valve Dysplasia in Down Syndrome: Uncommon Presentations with Favorable Surgical Outcomes

Sameh Taki-Aldin, MD¹; Joseph Dearani, MD²; Yasir Qureshi, MBBS¹; Patrick O'Leary, MD¹; Talha Niaz, MBBS^{1,3}

¹Division of Pediatric Cardiology, ²Department of Cardiovascular Surgery,

³Department of Clinical Genomics, Mayo Clinic, Rochester, MN

Virtual Reality Modeling for Multidisciplinary Surgical Planning for Single-Ventricular Physiology

Anokha Nathan¹, Dhruvil Patel, MD¹, Priya Nair, MD¹, Wassem Cossor, MD¹, Madhusudan Ganigara, MD¹, Michael Earing, MD¹

Internal Medicine-Pediatrics Program, Department of Medicine/Department of Pediatrics, The University of Chicago, Chicago, IL

Association of AHA Chest Compression Depth Targets and Arterial Blood Pressure During CPR in Infants

Andrew Pulfer, MD, University of Nebraska Medical Center, Omaha, NE

Tia Raymond, MD, MBA, FCCM, FAAP, FAHA

Medical City Children's Hospital, Dallas, TX

Laura Ortmann, MD, University of Nebraska Medical Center, Omaha, NE

Establishing a Formal Presurgical Image Review Process for Transthoracic Echocardiography in Pediatric Cardiology

Jacque L. Carden, MSN, David Jantzen, MD, Jason T. Christensen, MD, Kelsey Zindel, DNP, APRN-NP, CPNP-AC/PC

Children's Nebraska, Omaha, Nebraska; University of Nebraska Medical Center, Omaha, Nebraska

Improving Timeliness of Stat Echocardiography Using Medical Record-Integrated Technology

Jacque L. Carden, MSN, David Jantzen, MD, Jason T. Christensen, MD, Kelsey Zindel, DNP, APRN-NP, CPNP-AC/PC

Children's Nebraska, Omaha, Nebraska; University of Nebraska Medical Center, Omaha, Nebraska

A Rare Case Report of a Prenatally Diagnosed Intracardiac Hemangioma on Fetal Echocardiogram

Seth Mommsen, DO; Ameeta Martin, MD; Thomas Blount, MD

Children's Nebraska – Omaha, Nebraska

Challenging Implant of an Extra-Vascular Implantable Cardioverter- Defibrillator in A 15-Year-Old

Seth Mommsen, DO; Daniel, Vari MD; Jeffery Robinson, MD; Matthew Sorensen, MD

Children's Nebraska – Omaha, Nebraska

Supporters and Exhibitors

We gratefully acknowledge the following for their financial support of this meeting:

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