

# 2025 Midwest Pediatric Cardiology Society Annual Meeting

Omaha, Nebraska | September 18-19



## Thursday, Sept. 18

<b>9:00 a.m.</b>	MWPCS Board Meeting – (invitation only)	<b>1</b>
<b>11:00 a.m.</b>	Registration / Lunch	<b>2</b>
	Exhibits	<b>4</b>
<b>12:00 p.m.</b>	Welcome and Opening Remarks	<b>3</b>
	Keith Station Deputy Chief of Staff, Mayor's Office, City of Omaha, Omaha, NE Jeffrey W. Delaney, MD 2025 MWPCS Annual Meeting Co-Chair; Theodore F. Hubbard Endowed Chair in Pediatric Cardiology; Chief, Division of Pediatric Cardiology, Professor, Department of Pediatrics, University of Nebraska Medical Center, Omaha, NE Alex Foy, MD Assistant Professor, Division of Pediatric Cardiology, Department of Pediatrics, University of Nebraska Medical Center, Omaha, NE Jeffrey A. Robinson, MD 2025 MWPCS Annual Meeting Co-Chair; Associate Professor, Division of Pediatric Cardiology, Department of Pediatrics, University of Nebraska Medical Center, Omaha, NE	
<b>Session 1: Cardiac Rehabilitation and Advances in Cardiopulmonary Exercise Testing</b>		
<b>12:15 p.m.</b>	Unpacking the Controversies in Cardiopulmonary Exercise Testing Adam Powell, MD, MS, FACC Associate Professor, Department of Pediatrics, University of Cincinnati, Cincinnati, OH Exercise Testing as a Window Into Single Ventricle Physiology Alan Wang, MD Assistant Professor, Division of Cardiology, Department of Pediatrics, Northwestern University Feinberg School of Medicine, Chicago, IL Unlocking Potential: Exercise Testing as a Tool in Pediatric Cardiology William Orr, MD, FAAP, FACC Associate Professor, Division of Cardiology, Department of Pediatrics, Washington University, St. Louis, MO Designing and Implementing Effective Cardiac Rehabilitation Exercise Regimens Michael Randone, MS, ACSM EP-C Cardiac Exercise Physiologist, Children's Nebraska, Omaha, NE Caleb Ross, MS Cardiac Exercise Physiologist, Children's Nebraska, Omaha, NE	
<b>1:15 p.m.</b>	Questions	<b>3</b>
<b>1:30 p.m.</b>	Break / Exhibits	<b>4</b>

<b>Session 2: Lipid Disorders and Pharmacologic Management</b>		
<b>1:40 p.m.</b>	Elevated Risks, Smarter Strategies: Lipid Management in Vulnerable Pediatric Patients Britni Delva, PA-C, CLS Physician Associate, Children's Nebraska Specialty Pediatric Center, Omaha, NE Lipid Logic: A Broad Overview of Guidelines in Childhood Cardiovascular Health Sarah Henson, MD Assistant Professor of Clinical-Affiliate, Department of Pediatrics, University of Cincinnati, Cincinnati, OH Healing Beyond Medicine: Surgery, Lifestyle, and Psychosocial Strategies in Pediatric Lipid Management Christopher Sumski, DO, MEd Assistant Professor, Division of Cardiology, Department of Pediatrics, Washington University, St. Louis, MO	<b>3</b>
<b>2:30 p.m.</b>	Questions	<b>3</b>
<b>2:35 p.m.</b>	Break / Exhibits	<b>4</b>
<b>Session 3: Artificial Intelligence in Everyday Practice</b>		
<b>2:45 p.m.</b>	AI Meets MD: Harnessing Large Language Models in Medicine and Research Dan Ehrmann, MD, MS Assistant Professor, Division of Pediatric Cardiology, Department of Pediatrics, University of Michigan Medical School, Ann Arbor, MI Leveraging AI to Unlock the Full Potential of the Electronic Medical Record John Windle, MD Holland Distinguished Chair in Cardiovascular Sciences; Inaugural Director, Center for Intelligent Health Care; Professor, Division of Cardiovascular Medicine, Department of Internal Medicine, University of Nebraska Medical Center, Omaha, NE Accelerating the Utilization of New Technologies to Diagnose Congenital Heart Defect (CHD) and Save Lives Annamarie Saarinen, MA CEO/Co-founder, Bloom Standard, St. Paul, MN	<b>3</b>
<b>3:35 p.m.</b>	Questions	<b>3</b>
<b>3:40 p.m.</b>	Break / Exhibits	<b>4</b>

### Legend/Location

- 1** The Farnam – Executive Board Room
- 2** The Farnam – Rosewater Ballroom
- 3** Holland Performing Arts Center – Scott Hall
- 4** Holland Performing Arts Center – ConAgra East Lobby
- 5** The Farnam – Front Lobby
- 6** Omaha Henry Doorly Zoo and Aquarium



#### Session 4: Emerging Trends in Cardiac Genetics

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- 3:50 p.m.** Genetic Insights Into Hypoplastic Left Heart Syndrome (HLHS) and Left-Sided Heart Disease  
Talha Niaz, MBBS  
Echocardiographer/Pediatric Cardiologist, Mayo Clinic, Rochester, MN
- From Uncertainty to Impact: When Genetic Variants Gain Meaning  
Drew Cratsenberg, MS, CGC  
Assistant Professor, Department of Genetic Medicine, Munroe-Meyer Institute, University of Nebraska Medical Center, Omaha, NE
- Decoding CHD: The Promises and Pitfalls of Rapid Exome/Genome Sequencing  
Lois Starr, MD, PhD, FAAP, FACMG  
Professor and Chief, Division of Genetics, Department of Pediatrics, University of Nebraska Medical Center, Omaha, NE

- 4:40 p.m.** Questions 3

- 4:45 p.m.** Closing Remarks 3

- 5:00 p.m.** Posters / Exhibits / Cocktail Reception 4

- 6:00 p.m.** Adjourn

- 6:15 p.m.** Dinner and Guest Speaker 2  
Taylor Yaw, DVM, DACZM, DABVP  
Vice President of Science and Animal Health, Omaha Henry Doorly Zoo and Aquarium, Omaha, NE

*Dr. Yaw is an established leader at the Omaha Henry Doorly Zoo and Aquarium, with a passion for animal health, science and conservation. As Vice President of Science and Animal Health, he leads the animal health scientists, as well as animal nutrition, genetics and reproductive sciences. He provides alignment and leadership to these key areas of animal care, while solidifying the Zoo's investment in advancing veterinary programs and impactful science and conservation programs.*

*This non-CE accredited dinner session requires pre-registration. Attendees who pre-registered will have this noted on their name badge. On-site registration may be available if space permits.*

- 9:00 p.m.** Dinner Concludes

## Friday, Sept. 19

- 7:00 a.m.** Registration / Breakfast 2

Fellows Breakfast 2  
*(Exclusively for fellows, residents, and students. Pre-registration required. Attendees who pre-registered will have this noted on their name badge.)*

- Exhibits 4

- 8:00 a.m.** Welcome 3  
Jeffrey P. Gold, MD  
President, University of Nebraska System, Lincoln, NE
- Amanda Marshall, MD  
Assistant Professor, Division of Critical Care, Department of Pediatrics, University of Nebraska Medical Center, Omaha, NE
- Daniel Vari, MD  
Assistant Professor, Division of Cardiology, Department of Pediatrics, University of Nebraska Medical Center, Omaha, NE

#### Session 1: Cardiac Genetics and Risk Assessment Tools

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Moderators: Daniel Vari, MD and Sarah Henson, MD

- 8:15 a.m.** Rare, Predicted-Damaging MYH6 Variants Are Enriched in Hypoplastic Left Heart Syndrome  
Peter Lamberton  
MD Candidate, Medical College of Wisconsin, Milwaukee, WI
- Implementation of a Novel Tool to Assess Frailty in Pediatric Heart Disease  
Songita Choudhury, MD, PhD  
Pediatric Cardiology Fellow, Cincinnati Children's Health and Medical Center, Cincinnati, OH
- Improved Identification of Barriers to Cardiac Neurodevelopmental Screening  
Samiah Ziadeh  
MD Candidate, School of Medicine and Public Health, University of Wisconsin-Madison, Madison, WI

Pilot of a Modified Needs Assessment Questionnaire for Family of Children With Critical Congenital Heart Disease  
Michael Clark, MD, MSc  
Medical Student Researcher/Fellow Investigator, Indiana University School of Medicine, Indianapolis, IN

Pulse Oximetry Screening for Critical Congenital Heart Disease in Wisconsin 2014-2022  
John Hokanson, MD  
Professor, Division of Cardiology, Department of Pediatrics, School of Medicine and Public Health, University of Wisconsin-Madison, Madison, WI

- 9:30 a.m.** Break / Exhibits 4

#### Session 2: Cardiac Diagnostics and Epidemiology

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Moderators: Amanda Marshall, MD and Mark DeBrunner, MD

- 10:00 a.m.** Gaps in Wisconsin Hospital Preparation for Neonatal Cardiac Emergencies  
Katherine Dolan  
Student, School of Medicine and Public Health, University of Wisconsin-Madison, Madison, WI
- Reviving an Old Concept in a New Domain: Utilizing Pulsatility Index To Predict Hemodynamic Significance in Patent Ductus Arteriosus  
Thomas Blount, MD  
Assistant Professor, Division of Pediatric Cardiology, Department of Pediatrics, University of Nebraska Medical Center, Omaha, NE
- Angiography-Based Pulmonary Capillary Transit Time Is a Promising Diagnostic Tool for Single Ventricle Pulmonary Arteriovenous Malformations  
David Bergstrand, MD  
Fellow, Division of Cardiology, Department of Pediatrics, Medical College of Wisconsin, Milwaukee, WI
- Optimizing Outpatient Follow-Up of Non-Emergent Neonatal Echocardiography by Altering the Role of the Reading Cardiologist  
Emily Forster, MD  
Resident, Department of Pediatrics, School of Medicine and Public Health, University of Wisconsin-Madison, Madison, WI
- Readiness for Transfer to Adult Cardiology Care: A Single Center Review of Patient, Parent, and Cardiologist Perspectives  
Chana Bushee, MD  
Resident, Internal Medicine-Pediatrics Program, Department of Pediatrics, Medical College of Wisconsin, Milwaukee, WI

<b>11:15 a.m.</b>	Lunch / Posters / Exhibits	<b>4</b>
	<i>An optional tour, led by the Metropolitan Entertainment &amp; Convention Authority (MECA) Omaha, will be offered during lunch break. Attendees interested in joining should meet at the Gene Leahy Mall Performance Pavilion.</i>	

### Session 3: Surgical Outcomes and Adult Congenital Heart Disease **3**

Moderators: Jonathan Cramer, MD and Adam Larsen, DO

<b>12:15 p.m.</b>	Aspirin Unresponsiveness in Adults With Congenital Heart Disease Is Common and Is Associated With Increased Risk for Thrombosis	
	Lucia Billings Clinical Research Coordinator II, The University of Chicago, Chicago, IL	
	Cardiac Surgery in Patients With Trisomy 13 and 18: A Single-Center Experience	
	Spencer Robinson, MD Fellow, Division of Pediatric Cardiology, Department of Pediatrics, University of Nebraska Medical Center	
	Aortic Arch Gradients and Odds of Coarctation Vary by Shunt Type After the Norwood Procedure	
	Michael Rigor, MD Pediatric Resident, Cincinnati Children's Hospital Medical Center, Cincinnati, OH	
	Morbidity and Mortality in Adult Congenital Heart Disease Patients After Heart and Combined Heart-Liver Transplant	
	Dhruvil Patel, MD Resident, Internal Medicine-Pediatrics Program, Department of Medicine/Department of Pediatrics, The University of Chicago, Chicago, IL	
	Utility of Noninvasive Markers of Hepatic Fibrosis in Adults With Fontan Physiology	
	Priya Nair, MD Resident, Internal Medicine-Pediatrics Program, Department of Medicine/Department of Pediatrics, The University of Chicago, Chicago, IL	

<b>1:30 p.m.</b>	Break / Exhibits	<b>4</b>
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### Session 4: Provocative Case Studies/Series **3**

Moderators: Ling Li, MD, PhD, APCA, FASE and Michael Earing, MD

<b>1:45 p.m.</b>	Partial Left Pulmonary Artery Sling: A Rare Variant With a Novel Embryologic Hypothesis	
	Nirmala Persaud, MBA MD Candidate, Creighton University School of Medicine, Omaha, NE	
	A Tale of a Broken Heart: An Atypical Pediatric Presentation of Takotsubo Cardiomyopathy	
	Benjamin Kash MD Candidate, Creighton University School of Medicine, Omaha, NE	
	Concomitant Giant Cell Myocarditis and Arrhythmogenic Right Ventricular Cardiomyopathy (ARVC): Coincidence or Pathophysiologic Overlap	
	Seyedeh Zahra Tara, MD Resident, Department of Pediatrics, Saint Louis University School of Medicine, Saint Louis, MO	
	Expanding the Literature: A Rare TBX4 Gene Deletion in Neonatal Pulmonary Hypertension With Promising Outcomes	
	Amjad Abdelrahim, MD Resident, Department of Pediatrics, Saint Louis University School of Medicine, Saint Louis, MO	

<b>2:45 p.m.</b>	Break / Exhibits	<b>4</b>
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<b>3:00 p.m.</b>	Awards and 2026 Annual Meeting Announcements	<b>3</b>
	Mark DeBrunner, MD Associate Professor, Department of Pediatrics, School of Medicine, University of Pittsburgh, Pittsburgh, PA	
	Amanda Marshall, MD	
	Daniel Vari, MD	

<b>3:45 p.m.</b>	Closing Remarks	<b>3</b>
	Jeffrey W. Delaney, MD	
	Jeffrey A. Robinson, MD	

<b>4:00 p.m.</b>	Adjourn	
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### Special Event: Zoo Visit

*Pre-registration is required for this non-CE accredited activity. Attendees who pre-registered will have this noted on their name badge.*

<b>5:30 p.m.</b>	Group Departure to Omaha Henry Doorly Zoo and Aquarium	<b>5</b>
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<b>6:00 p.m.</b>	Friday Event	<b>6</b>
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*Attendees and their adult guests are invited to experience the zoo after hours with local food trucks, refreshments, and exclusive behind-the-scenes insights from Dr. Taylor Yaw on the zoo's cutting-edge approach to animal care and conservation.*

*Registrants may bring up to two adult guests (ages 21 and older).*

*Please note:*

*This event is intended for medical professionals and their adult guests only—children are not permitted.*

*You do not need a zoo pass to attend this event.*

<b>9:00 p.m.</b>	Return to The Farnam	
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