



HEART INSTITUTE

# Ventricular Assist Device Symposium

*August 6, 2024*

Children's Hospital Colorado  
Conference & Education Center  
13123 E. 16<sup>th</sup> Avenue  
Aurora, CO

Provided by:  
Children's Hospital Colorado Heart Institute

## Registration

Visit our website today to register online at:

[ce.childrenscolorado.org](https://ce.childrenscolorado.org)

If you have questions, please contact Julianne Metcalf at [julianne.metcalf@childrenscolorado.org](mailto:julianne.metcalf@childrenscolorado.org)

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## Overview and Target Audience

This conference will focus on a review of mechanical circulatory support of acute and chronic heart failure. This course has been designed to combine lectures with an optional hands session-on with different ventricular assist devices. Children's Hospital Colorado pediatric cardiologists, surgeons, interventionalists, and other VAD team members will lead the lectures, sharing their experience in the management of supporting pediatric patients on mechanical circulatory support. Target audience includes pediatric cardiologists, cardiology fellows, advance practice providers, nurses, and other members of the multidisciplinary team. At the conclusion of this event, learners will report new knowledge related to providing circulatory support for patients with acute and chronic heart failure.

## Objectives

- Define indications for implant including timing and device selection
- Describe surgical and interventional considerations of implant
- Explain post-op management and imaging considerations
- Recognize and manage adverse events while on support
- Identify special populations and considerations while on support
- Discuss discharge and outpatient management and effects in the peri-op period of transplant

## 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 Hospital Colorado designates this credit 6.25 *AMA PRA Category 1 Credit (s)*. Physicians should only claim credit commensurate with the extent of their participation in the activity.

### Nursing

Children's Hospital Colorado is approved with distinction as a provider of nursing continuing professional development by Colorado Nurses Association, an accredited approver by the American Nurses Credentialing Center's Commission on Accreditation.

This offering for 6.25 contact hours is provided by Children's Hospital Colorado.

## Non-Physician Attendance

A certificate of participation will be provided to other health care professionals. Participants should ensure in advance that their credentialing or licensing organization accepts *AMA PRA Category 1 Credits*.

**Logging attendance and completing an evaluation within 14-days of the event are required to collect credit.**

## Location

Children's Hospital Colorado Conference and Education Center

## Faculty



### Course Director

Scott Auerbach, MD  
Medical Director, VAD Program



### Course Co-Director

Max Mitchell, MD  
Surgical Director, VAD Program



### Course Co-Director

Robert Hyslop, BSN, RN, CCRN  
VAD Coordinator



### Course Co-Director

Allison Reichhold, APRN  
APP VAD Lead

## Additional Faculty

Matthew Stone, MD,  
PhD Megan SooHoo,  
MD Ryan Leahy, MD,  
MS Robin Klein, MD  
Max Mitchell, MD  
Craig McRobb, CCP  
Megan Albertz, MD  
Dale Burkett, MD  
Christina Phelps, MD  
Anne Taylor, MD  
John Kim, MD  
Sara Sullivan, BSN, RN, RNC-NIC, CCRN  
Andrea Gerke, OTD, OTR/L, BCP  
Kathleen Simpson, MD  
Stephanie Nakano, MD  
Allison Reichhold, APRN  
Melanie Everitt, MD



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# Agenda

**Tuesday, August 6, 2024**

\*All times MST

8:00am	<b>Welcome &amp; Intro to VAD Program</b> <i>Rob Hyslop, BSN, RN, CCRN</i>	11:30	<b>Cardiac Catheterization of the VAD Patient</b> <i>Anne Taylor, MD</i>
8:20	<b>Indications for implant, timing and device selection</b> <i>Matt Stone, MD, PhD</i>	11:50	Q/A
8:40	<b>Mechanical Support of Acute Heart Failure: When do we need an oxygenator?</b> <i>Megan SooHoo, MD</i>	12:00pm	LUNCH
9:00	<b>Impella Support for Acute Heart Failure</b> <i>Ryan Leahy, MD, MS</i>	12:00pm	<b>Optional Hands-on Session</b>
9:20	<b>Preparing for the VAD placement: Pre-Implant Management of the Durable VAD Candidate</b> <i>Robin Klein, MD</i>	1:00	<b>Anti-Thrombosis Therapy for Children on VAD Support</b> <i>John Kim, MD</i>
9:40	<b>Surgical VAD implantation</b> <i>Max Mitchell, MD</i>	1:20	<b>Adverse Events on VAD Support</b> <i>Scott Auerbach, MD</i>
10:00	BREAK	1:40	<b>Driveline and Cannula Site Management</b> <i>Sara Sullivan, BSN, RN, RNC-NIC, CCRN</i>
10:10	<b>Perfusion Considerations for VAD Implementation and Management</b> <i>Craig McRobb, CCP</i>	2:00	<b>Therapies and Rehabilitation for Children on VAD Support</b> <i>Andrea Gerck, OTD/OTR/L, BCP</i>
10:30	<b>Anesthesia for Pediatric Patients Requiring VAD Support</b> <i>Megan Albertz, MD</i>	2:20	BREAK
10:50	<b>Imaging of Patients Requiring VAD Support</b> <i>Dale Burkett, MD</i>	2:40	<b>Special Populations: VAD Support of Neuromuscular and Oncology Patients</b> <i>Stephanie Nakano, MD</i>
11:10	<b>Post-Operative Management of the Pediatric VAD Patient</b> <i>Christina Phelps, MD</i>	3:10	<b>Discharge and Outpatient VAD Management</b> <i>Allison Reichhold, APRN</i>
		3:30	<b>Management of the VAD patient in the Peri-operative Period of Transplant</b> <i>Melanie Everitt, MD</i>
		3:50	Q/A & Evaluation
		4:00	Adjourn



