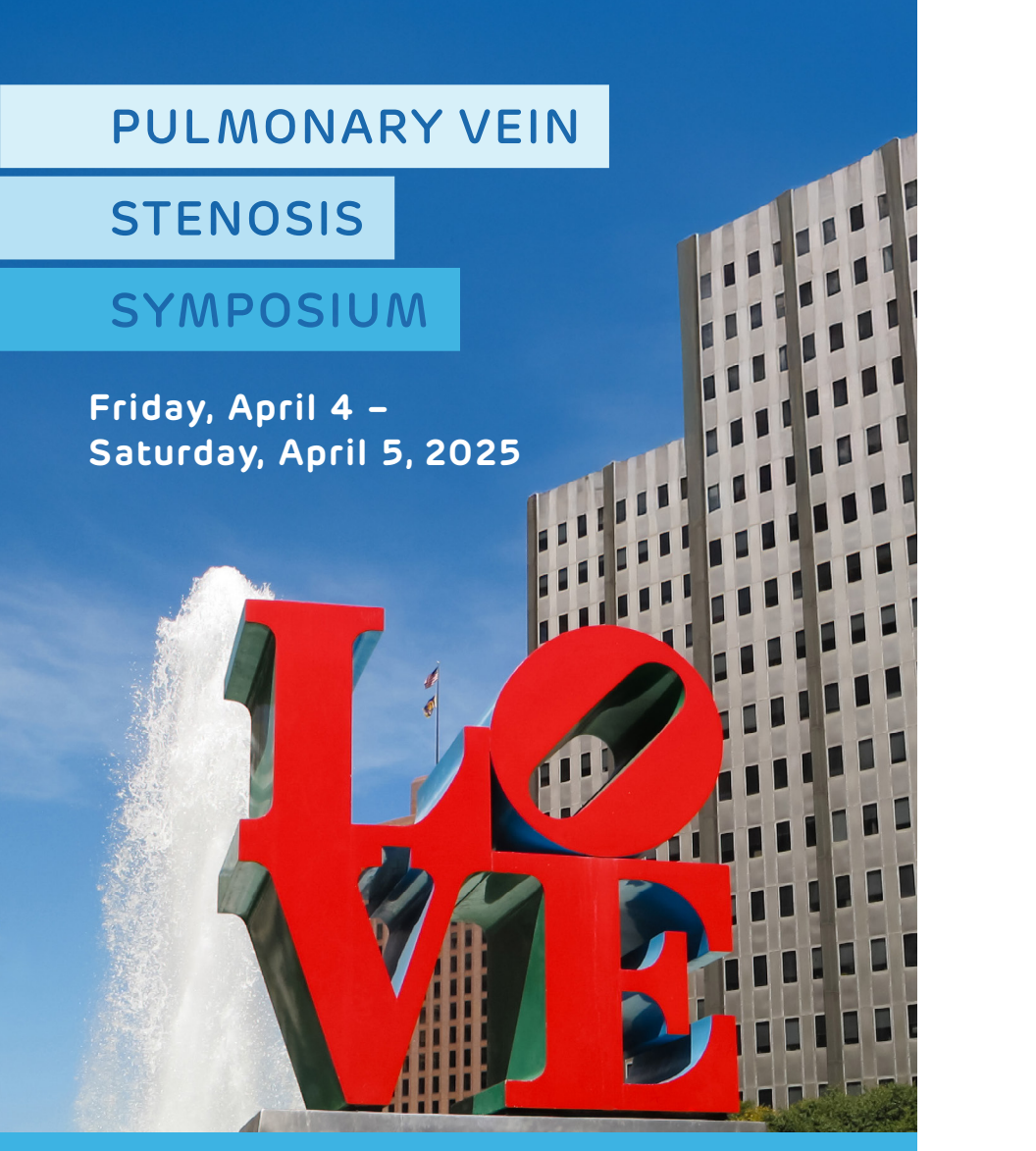


PULMONARY VEIN

STENOSIS

SYMPOSIUM

**Friday, April 4 –
Saturday, April 5, 2025**



Roberts Center for Pediatric Research

Learn more: chop.cloud-cme.com

Course Overview

The two-day symposium will focus on pediatric pulmonary vein stenosis (PVS) including the etiology, diagnosis, management, identification of knowledge gaps and current and future research efforts. Faculty with expertise in PVS from around the world will be invited to give presentations on selected topics as well as to participate in discussions throughout the symposium. The format will include traditional lecture-based, topic-focused sessions, case presentations and expert panels all with question-and-answer time built in to allow for vibrant discussion and participation from all attendees. The symposium is open to all medical providers and trainees interested in learning about PVS.

Course Objectives

- Understand the pathophysiology and diagnosis of PVS. Participants will gain a comprehensive understanding of the underlying mechanism, clinical presentation and diagnostic criteria of PVS.
- Explore current and emerging treatment strategies. Attendees will learn about the latest treatment options for PVS, including surgical interventions, catheter-based therapies, and pharmacological management. The objective is to equip medical providers with knowledge of both established and innovative approaches to improve patient outcomes.
- Enhance multidisciplinary care and patient management. The symposium will emphasize the importance of multidisciplinary approach in managing PVS. Participants will discuss case studies, collaborate on best practices, and develop strategies for coordinated care involving cardiologists, pulmonologists, radiologists, and other healthcare providers.

General Information

The conference will be held in the at Children's Hospital of Philadelphia in the Roberts Center for Pediatric Research. The registration fee includes continental breakfast, breaks, lunch, parking, and syllabus material.

Physician: \$400 **Nurse, Trainee and Other Healthcare Professional:** \$300

Abstract Presenter: \$150 **Family Day Session:** Free (Saturday only)

Accreditation



JOINTLY ACCREDITED PROVIDER™
INTERPROFESSIONAL CONTINUING EDUCATION

In support of improving patient care, this activity has been planned and implemented by the Children's Hospital of Philadelphia. The Children's Hospital of Philadelphia 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.

Designation of Credit

Physicians: Children's Hospital of Philadelphia designates this live activity for a maximum of 12.25 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Cancellation and Refund Policy

Children's Hospital of Philadelphia reserves the right to cancel or postpone any course due to any unforeseen circumstances. In the event of cancellation or postponement, Children's Hospital of Philadelphia will refund registration fees, but is not responsible for any related costs, charges, or expenses to participants, including cancellation charges assessed by airlines or travel agencies. To process refunds for course withdrawals, cancellations must be received in writing by March 21, 2025. No refunds will be issued after that date.

Services for People With Disabilities

Participation by all individuals is encouraged. If arrangements are required for an individual with special needs to attend this meeting, please call the CME Department at 215-590-5263 two weeks in advance so that we may provide better service to you during the conference.



Pulmonary Vein Stenosis Symposium

Roberts Center for Pediatric Research

PROGRAM

Friday, April 4, 2025 (Eastern Standard Time)

7:00 a.m. Registration and Welcome Breakfast

8:00 a.m. Welcome and Introduction
David Frank, MD, PhD

Session I: Pulmonary Vein Stenosis (PVS), Pathology, and Science
Moderators: David Frank, MD, PhD; Krithika Lingappan, MD, PhD, MS

8:10 a.m. Pathophysiology of PVS
Rachel Vanderlaan, MD, PhD

8:30 a.m. Investigating Novel Targets for PVS
Ravi Birla, PhD

8:50 a.m. Large Animal Modeling of PVS
Mudit Gupta, MD, PhD

9:10 a.m. Translational Human PVS Research
Kathy Jenkins, MD, MPH

9:30 a.m. Abstract/Case Presentation

9:45 a.m. Break

Session II: PVS in the NICU
Moderators: Phil Levy, MD; Kathleen Gibbs, MD; Holly Bauser, MD, PhD

10:10 a.m. Neonatal/ Bronchopulmonary Dysplasia (BPD) PVS Case Presentation
Shilpa Vyas-Read, MD

10:30 a.m. PVS and the Premature Neonate
Phil Levy, MD

10:50 a.m. Risk Factors for PVS in NICU
Erica McArthur, MD

11:10 a.m. NICU Hemodynamics
Amy Stanford, MD

11:30 a.m. Management of Left-To-Right Shunts
Delphine Yung, MD

Noon Lunch

Session III: PVS Here, There, Everywhere

Moderators: *Chris Petit, MD; Maanasi Mistry, MD*

- 1:00 p.m. **PVS in the Setting of Heart Transplant**
Paul Tannous, MD, PhD
- 1:20 p.m. **Risk Factors for Pulmonary Venous Obstruction after (PVO) after Total Anomalous Pulmonary Venous Connection (TAPVC) Repair**
Jonathan Chen, MD
- 1:40 p.m. **Anesthetic Considerations for PVS Patients**
Mary Lyn Stein, MD
- 2:00 p.m. **Treatment of Pulmonary Hypertension (PH) in the Setting of PVS**
Kate Avitabile, MD
- 2:20 p.m. **PVS Case Presentation**
Diego Porras, MD
- 2:35 p.m. **Break**

Session IV: PVS Imaging

Moderators: *Chris Caldarone, MD; Rachel Vanderlaan, MD, PhD*

- 3:10 p.m. **Dual Energy CT and its Use in PVS**
Jordan Rapp, MD, MMS
- 3:30 p.m. **Measuring Wall Shear Stress (WSS) using cMRI**
Danish Vaiyani, MD
- 3:50 p.m. **Electrical Impedance Tomography for PVS**
Jenny Zablah, MD
- 4:10 p.m. **PVS Imaging**
Ameesh Shah, MD
- 4:30 p.m. **Abstract/Case Presentation**
- 5:00 p.m. **Poster Session**
- 6:00 p.m. **Adjourn Day I**

Saturday, April 5, 2025 (Eastern Standard Time)

- 7:30 a.m. **Breakfast**
- 8:00 a.m. **Day 2 Welcome**
David Frank, MD, PhD

Session V: PVS Therapy

Moderators: *Jack Rome, MD; Jenny Zablah, MD*

- 8:10 a.m. **Sirolimus Experience in the Care of PVS**
Athar Qureshi, MD

- 8:30 a.m. Update on Gleevec Experience
Maanasi Mistry, MD
- 8:50 a.m. PVS Catheter-based Interventions
Chris Petit, MD
- 9:10 a.m. Surgery Involving the Use of the Left Atrial Appendage (LAA)
Chris Caldarone, MD
- 9:30 a.m. Surgical Stent Removal and Other Techniques
Chris Baird, MD
- 9:50 a.m. Break

Session VI: Future

Moderators: Ryan Callahan, MD; Kathy Jenkins, MD, MPH

- 10:20 a.m. Targeted Rapamycin Drug Delivery
Holly Bauser, MD, PhD
- 10:40 a.m. Drug-coated Balloons for PVS
Connie Choi, MD
- 11:00 a.m. Starting a PVS Team (Denver)
Paige Sheaks, PA-C
- 11:15 a.m. Starting a PVS Team (CHOP)
Heather Meluskey, CPNP-AC, MSN
- 11:30 a.m. State of PVS Research Including Congenital Cardiac Research Collaborative (CCRC)
Michael O'Byrne, MD, MSCE
- 11:45 a.m. PVS Network Update
Rachel Vanderlaan, MD, PhD
- Noon Lunch

Family Session

Moderators: Athar Qureshi, MD; Ryan Callahan, MD; David Frank, MD, PhD

- 1:00 p.m. PVS Family Presentation
- 1:45 p.m. Coping for PVS Families
Christina Ireland, RN, MS, FNP
- 2:00 p.m. PVS Clinical Update
Ryan Callahan, MD
- 2:15 p.m. PVS Research Update
David Frank, MD, PhD
- 2:30 p.m. Expert Panel Q/A
- 3:00 p.m. Conference Adjourns

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