

THE AMERICAN ACADEMY
OF
CARDIOVASCULAR PERFUSION

P. O. Box 255
ORONOCO, MN 55960
(507) 517-2830
OFFICE@THEAACP.COM
HTTP://WWW.THEAACP.COM

Summer 2024

The Academy Newsletter

Message from the AACCP President-Summer 2024

Spring is an exciting time of year. As summer follows spring closely, and after a long winter, Spring represents change. Exciting change. As we in the perfusion community transition from early Spring to late Spring we find ourselves in similar states of change. New graduates are approaching being called Perfusionists and some Perfusionists are contemplating retirement or have even gone forward with the decision to step back a bit. As new graduates begin to plan their career trajectory, it is our job to be mentors. It is our job as Senior Fellows, Fellows, and Members of the Academy to be welcoming and help them see all they have to offer to the perfusion community, as they are our future. Please, when you come upon a new graduate, or anyone just looking to become more involved with The Academy, welcome them and offer them words of wisdom. Hear their ideas and encourage them to go out and share them with the community. Show them how to be a part of our Academy family and show them there are ways to be involved, even if they do not want to be up at the podium, yet. Share the collegiality of the Fireside Chats and Sponsor's Workshops, and the excitement of the Induction dinner. Welcome them. Be their phone a friend; we all needed one.



Inside this issue

Message From the President	1-2
Executive Director Update	3
Student Article	4
Student Spotlight	5-6
Proceedings Archival Site	7
Perfusion Going Digital	7
Call for Fellow Members	8
Sponsoring Partners	9
Important Dates	9
Call for Abstracts	10
2025 Tentative Program	11-12
2025 Host Hotel	13

Editor

Molly Bryant
Oronoco, MN

Contributing Editors

Tom Frazier
Nashville, TN

Kelly Hedlund
Hays, KS

Student Section

Deborah L. Adams
Houston, TX

Finally, I would be remiss if I did not pay a tribute to David and Jill Palanzo. David Palanzo has been the only Executive Director of the American Academy of Cardiovascular Perfusion that many of us have known throughout our own careers, with Jill closely by his side making sure things go smoothly, even when they have not. They have brought the Academy through tough times and have enjoyed many good ones as well. They have brought their family into our Academy family. So as my first order of business, in my first newsletter, I would like to extend a warm thank you to the Palanzo Family for doing so much for the Academy over the years. Your advice, your guidance, your caring hands have guided many of us to the Academy as we know it today. David and Jill, welcome to joining in and experiencing the American Academy of Cardiovascular Perfusion meetings as “just” an attendee!

Allison Weinberg
President, AACP



Right: David and Jill Palanzo with their children, grandchildren, and other family members.

Below: David and Jill Palanzo at one of the induction dinners at the AACP



Updates from the Executive Director

David and Jill Palanzo have shaped the American Academy of Cardiovascular Perfusion into the amazing society that we have come to know and love. They have shared their family with the Academy, made countless sacrifices, and created many years of treasured memories over these last two decades. We wish them the best as they transition into retirement and the next chapter of their lives.

Molly Bryant is transitioning into the role of Executive Director with her husband, Keith Bryant. Molly has been attending the Academy meetings since she was a student ambassador in 2014. The Academy has become a second family to her, with each annual meeting feeling like a family reunion. Molly and Keith are both perfusionists working at the Mayo Clinic in Rochester, MN. They have three children, Cameron (initials CPB, age 4), Lylah (age 2), and Emmett (6 months). Life is busy with three small children, but the Bryants are invested in the future of the Perfusion profession and the success of the Academy. They look forward to maintaining a high-quality meeting as you have all come to expect, and a welcoming environment for all perfusionists for years to come.



New AACP Contact Information

Mailing Address: **American Academy of
Cardiovascular Perfusion (AACP)
PO Box 255
Oronoco, MN 55960**

Phone Number: **507-517-2830** Call or text the Academy Office!

Email Address: **Office@theAACP.com**



Ashley K. Mathews

Perfusion Sciences Program
Department of Pharmacology
College of Medicine
The University of Arizona
Tucson, Arizona

Alpha-Gal Syndrome: A Hidden Risk In Cardiac Surgery

Alpha-gal syndrome (AGS) is a prevalent allergic syndrome experiencing a surge in recognition in the United States. CDC studies have documented a dramatic increase in confirmed cases, skyrocketing from just 12 in 2009 to an estimated 450,000 in 2023. AGS is an allergic reaction to the alpha-gal sugar molecule (galactose-alpha 1,3- galactose) that is often found in the tissues of most mammals, with the exception of primates. This syndrome is primarily caused by the lone star tick, but reports of other tick species causing AGS are beginning to be found. The bite of this tick transmits alpha-gal which can lead to an allergic reaction occurring in humans after they have consumed red meat or have been exposed to other alpha-gal containing products. These reactions range from mild to severe symptoms such as hives and itchiness to anaphylaxis. Unlike a typical food allergy, AGS differs with a delayed onset of unexpected reactions in affected individuals. To date, there are currently no standardized protocols available on managing this patient demographic. The influence of AGS on cardiothoracic surgery remains largely unknown. The literature in this area is sparse, and there is a severe lack of data on heparin cross-reactivity with the alpha-gal molecule. Potential interventions and strategies that could be considered for patients undergoing cardiothoracic surgery include incorporating preoperative allergy testing and effective prophylaxis strategies such as specific IgE blood testing, avoiding the use of red meat-derived medical products (porcine derived: heparin, heart valves and hemostatic adhesives), implementing plasmapheresis, and providing the patient with a medication regimen consisting of steroids and histamine receptor blockers. While significant strides have been made in bringing awareness to AGS, there is still much to uncover. Further research is critical to fully understand the impact of AGS on patients undergoing cardiothoracic surgery and refine existing management strategies to minimize risks.

Student Spotlight



Katelyn Ng

Cardiovascular Science Program
Perfusion Sciences Program
Class of 2025
College of Health Science
Midwestern University
Glendale, AZ
Hometown: Seattle, WA
Undergraduate Degree: Medical
Laboratory Sciences

What inspired you to pursue a career in Perfusion?

I have always been interested in the intricacies of cardiothoracic surgery. When I first observed surgeries with the University of Washington Medical Center's perfusion team, I was impressed by their contagious passion for this field. Not only did they support my questions and curiosities, but they also invigorated me to challenge myself beyond observing cases. I learned to set up and prime the pump, interpret and troubleshoot electrolyte imbalances, and run ACTs. Many concepts I learned in medical laboratory science directly applied to perfusion, such as understanding acid-base balance, the coagulation cascade, and blood banking. Every time I saw the heart resume activity during surgeries, I felt a rush of relief and adrenaline that I knew I wanted to experience for the rest of my life through this career.

How did your background lead you to perfusion?

During my undergraduate career, I balanced academics with research and my jobs as a dental and office assistant to support myself. Between my responsibilities, I found gratification from strengthening skills that overlapped between my jobs. Months of dissecting fruit flies and polishing patients' teeth steadied my hands to flawlessly pipette the smallest gel electrophoresis wells in my class. My interpersonal skills from patient care aided me in strengthening team dynamics with colleagues across my jobs. By weaving habits between disparate disciplines, I cultivated an enthusiasm for healthcare and hard sciences, where I could be a lifelong, experiential learner. Perfusion was the perfect field that aligned with this passion, especially with its hands-on, expeditious environment that came with controlling physiological functions using the pump. I plan to build on this symbiosis of research, coursework, and observational experiences to be an asset to the perfusion community.

Student Spotlight

Why did you decide to attend Northwestern University?

When I was shadowing cases, I met perfusion students from Northwestern University who were rotating through hospitals in Seattle. Every student described how the program's challenging didactics, coupled with its state-of-the-art Calafia perfusion simulators, prepared them well for rotation sites across the country. I was also captivated by the program's elective research courses that emphasized evidence-based practices, which intertwined my passion for research with cardiovascular perfusion. As I researched more about the program and learned from rotating students, I knew Northwestern University would be the best fit for me.

What about Northwestern University education do you want to carry forward into your career?

My education here at Northwestern University has undoubtedly shaped my future endeavors, and I am very grateful for my professors and classmates who have helped me get to where I am today. Ever since I learned about this field, the perfusion community has been extremely generous to help me get to where I am today. As I continue my education, I aim to carry the lab and research experiences I have gained from my time here to care for patients during a vulnerable moment in their lives as a cardiovascular perfusionist. I look forward to integrating the advice, insight, and stories I have gained from my connections into my practice, and sharing my enthusiasm with future students.

"Every time I saw the heart resume activity during surgeries, I felt a rush of relief and adrenaline that I knew I wanted to experience for the rest of my life through this career."



REEL SHARED ON MAY 3, 2024
BY MIDWESTERNUNIV

Proceedings Archival Site

All twenty-nine issues of the *Proceedings of The American Academy of Cardiovascular Perfusion* will be available in searchable PDF format through our new Proceedings Archival Site.

On the site's home page, type your search in the box in the upper right. That will locate the volumes containing the key word. Then click on the magnifying glass in the upper left and follow the instructions below.

The screenshot shows the '2007 Proceedings' page of the Proceedings Archival Site. At the top, there is a navigation bar with links: Home, Annual Archive, Proceedings Index, and More Information. A search box is located in the upper right corner. Below the navigation bar, a red banner displays '2007 Proceedings'. The main content area shows a list of articles with their titles, authors, and page numbers. Two blue callout boxes with arrows point to specific search features: one points to the search input field containing the word 'cardiac', and the other points to the search settings menu. The search settings menu includes options like 'Highlight All', 'Match Case', 'Current page only', 'pages (e.g. 6-10)', 'Whole Words', 'multiple search terms', 'Ignore accents and diacritics', and 'Fuzzy search'.

2007 Proceedings

cardiac

Define search settings

Enter search terms (e.g., topic, author) to locate within the current file

73

75

77

79

82

Perfusion Journal to Become Totally Digital

Starting in January 2025, the *Perfusion Journal* will become totally digital. You will no longer receive printed issues. The journal will be accessed through the Academy website (Members' Only Page) and will allow you to access all issues of *Perfusion* not just from 2000 to the present.

You will still receive printed copies for this current year, but you can access the journal online through our website.

Call for S'more Fellows



Looking for current members who are dedicated to advancing the perfusion profession, contributing to the AACP, and supporting the AACP mission.

Let your sponsoring fellow members perfectly toast your accomplishments at the 2026 meeting.

Applications due **Sunday, November 3rd, 2024**. Membership committee will make a decision at the 2025 meeting. Contact the office@theaacp.com for an application.

Contact Information for Our Sponsoring Partners

ABBOTT

Phone: 651-756-5400

Website: [https://](https://www.cardiovascular.abbott/us/en/home.html)

www.cardiovascular.abbott/us/en/home.html

BERLIN HEART

Phone: 281-863-9700

Fax: 281-863-9701

Email: info@berlinheartinc.com

Website: [https://](https://www.berlinheart.com/)

www.berlinheart.com/

LIVANOVA

Phone: 800-221-7943 or 303-467-6517

Fax: 303-467-6375

Website: <http://www.sorin.com>

MEDTRONIC

Phone: 763-391-9000

Websites: www.medtronic.com/us-en/healthcare-professionals/medical-specialties/cardiology/cardiovascular-surgery.html

QUEST MEDICAL, INC.

Phone: 800-627-0226 or 972-390-9800

Fax: 972-390-2881

Website: <http://www.questmedical.com/>

SPECTRUM MEDICAL, INC.

Phone: 800-265-2331

Fax: 803-802-1455

Website: <http://www.spectrummedical.com>

TERUMO CARDIOVASCULAR SYSTEMS

Phone: 734-663-4145 or 800-521-2818

Fax: 734-663-7981

Website: <https://www.terumocv.com/>

**Please take the time to
Thank our Sponsors**

Important Academy Dates

The ACADEMY ANNUAL MEETING DEADLINES

ABSTRACT DEADLINE **October 15, 2024**

MEMBER DEADLINE **November 3, 2024**

PRE-REGISTRATION **January 11, 2025**

HOTEL REGISTRATION **January 11, 2025**

2024 ANNUAL MEETING **February 5-8, 2025**

Call for Abstracts

The Academy would be honored to include your abstract paper presentation in our upcoming annual seminar.

Abstract submissions are welcomed by all

- Perfusion Students
- Practicing Perfusionists
- Physicians and other medical staff

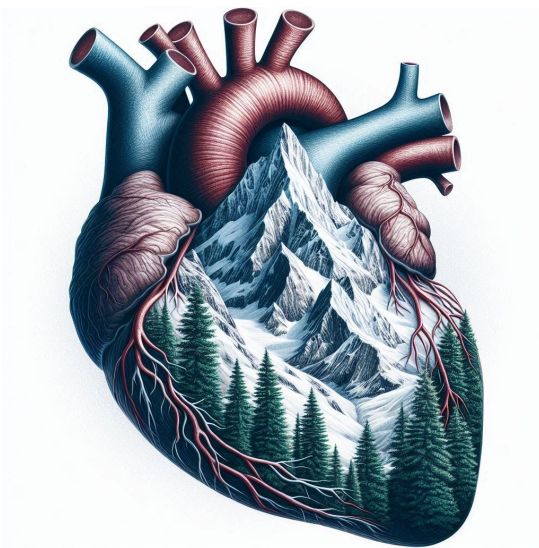
Required for submission

- [Abstract application form](#)
- Fellow member sponsor

All abstracts accepted for presentation at the upcoming annual seminar have to submit a manuscript prior to presentation.



Abstract deadline is October 15th, 2024



Join Us In Denver

Where the talks are fresher than
the new snow on the mountain

February 5-8th, 2025

Registration opens this fall

46th Annual Seminar of
The American Academy of Cardiovascular Perfusion
Embassy Suites Denver Downtown Convention Center
1420 Stout St, Denver, CO 80202
February 5-8th, 2025
(Tentative Program)

Wednesday, February 5th, 2025

1:00 pm – 6:00 pm	REGISTRATION
2:30 pm – 5:00 pm	Manufacturers' Breakout Rooms
5:00 pm – 5:30 pm	Opening Business Meeting <i>Fellow, Member, Senior, and Honorary Members</i>
5:30 pm – 7:00 pm	Special Scientific Panel Session – Pro/Con Debates

Thursday, February 6th, 2025

7:00 am – 10:00 am	REGISTRATION
7:00 am – 7:45 am	Video Presentations and Breakfast
7:45 am – 9:45 am	Special Scientific Panel Session – Transplants
9:45 am – 11:45 am	Fireside Chats
11:45 am – 12:45 pm	Lunch
12:45 pm – 2:45 pm	Special Scientific Panel Session – Future Technology
2:45 pm – 3:15 pm	Break
3:15 pm – 5:00 pm	Scientific Paper Session
5:30 pm – 8:30 pm	Sponsor's Hands-On Workshop & Reception

Friday, February 7th, 2025

7:00 am – 10:00 am	REGISTRATION
7:00 am – 7:45 am	Video Presentations and Breakfast
7:45 am – 9:45 am	Special Scientific Panel Session – Pediatrics
9:45 am – 11:45 am	Fireside Chats
11:45 am – 1:00 pm	Lunch

1:00 pm – 2:45 pm **Special Scientific Panel Session – ECMO**
2:45 pm – 3:15 pm Break
3:15 pm – 5:00 pm **Memorial Session**
 Moderator: David Fitzgerald
 Introduction – David Fitzgerald
 Charles C. Reed Memorial Lecture
 Thomas G. Wharton Memorial Lecture (Allison Weinberg)
6:30 pm **Induction Dinner**
 All Attendees and Guests (pre-registration required)

Saturday, February 8th, 2025

7:00 am – 10:00 am REGISTRATION
7:00 am – 8:00 am Video Presentations and Breakfast
8:00 am – 10:00 am **Scientific Paper Session**
10:00 am – 12:00 pm **Fireside Chats**
12:00 pm Closing Business Meeting
 Fellow, Senior, and Honorary Members Only

Live Webcast Available for 2025 Annual Seminar

The American Academy of Cardiovascular Perfusion will be offering a live webcast of our 2025 Annual Meeting in Denver, Colorado.

Daily General Session
Two virtual Fireside Chats offered each day

The meeting will be broadcasted in a high quality streaming video. There will be an opportunity for attendees to ask questions, which qualifies the virtual meeting for Category 1 CEUs from the American Board of Cardiovascular Perfusion.

2025 Annual Meeting



Denver, Colorado
February 5-8, 2025



Our Host Hotel
Embassy Suites Denver Downtown
Convention Center
1420 STOUT STREET, DENVER, CO 80202

Reservations: 1-800-HILTONS

Single/Double Occupancy: \$219.00

*Remember to mention that you will be attending the Annual Conference of
The American Academy of Cardiovascular Perfusion (AACP).*

AACP 2024 Officers and Council

President

Allison Weinberg
Northbrook, IL

Vice-President

Richard Melchior
Woodbury, NJ

Secretary

Tami Rosenthal
Wilmington, DE

Treasurer

Kenmund Fung
New York, NY

Council Members

David Fitzgerald
Mt. Pleasant, SC
Past President

Edward Delaney
Nutley, NJ

Robert Grimmatt
Fox Island, WA

Ann Guercio
Houston, TX

Steven Sutton
Wichita Falls, TX

David Palanzo
New Tripoli, PA
Ad hoc Member