Wisconsin Perfusion Society
26th Annual Spring Educational Meeting

The Madison Concourse Hotel and Governor’s Club
Madison, WI
March 22nd – 24th, 2019

Program Directors:

Kate Herrmann MS, CCP, LP
Medical College of Wisconsin, Milwaukee

Nick Starkey MS, CCP, LP
Medical College of Wisconsin, Milwaukee

Jennifer Tounshendeaux MS, CCP, LP
Advocate Aurora Healthcare, Milwaukee

Caleb Varner MS, CCP, LP, FPP
Children’s Hospital of Wisconsin, Milwaukee
Purpose:

The Wisconsin Perfusion Society was founded in 1994 to provide continuing education and promote dialogue among perfusionists and cardiovascular professionals throughout the state and nation. In this tradition, the goal of the 26th annual WPS educational meeting is to create an environment of discovery through continuing education and to provide a forum for clinicians and industry professionals to present materials that pertain to the profession of cardiovascular perfusion and cardiovascular surgery.

Intended Audience:

The society hopes our meeting will appeal to a wide range of health care providers. We welcome perfusionists, physicians, physician assistants, nurses, allied health care providers and representatives from companies supplying the needs of open-heart programs.

Recertification Points:
You must sign in and attend, to obtain the maximum number of CEUs.

Our program was submitted to The American Board of Cardiovascular Perfusion once it was finalized. The ABCP has awarded 20.7 CEUs for this educational program.

Friday: 5.4
Saturday: 9.9
Sunday: 5.4
Total: 20.7

2018-19 Wisconsin Perfusion Society Executive Board & Committee Chairs

President: Scott Niles, CCP, LP Madison, WI
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Carson Buss, MS, CCP, LP – Caleb Varner CCP, LP, FPP

Vendor Liaison: Marianne Pilger, CP, LP
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Education Committee: Jim Bobby II, CCP, LP & Caleb Varner, CCP, LP, FPP

Election/Nominating Committee: Scott Niles, CCP, LP
Membership Committee: Matthew Tittl, CCP, LP
Scholarship Committee: Brittany Finger, CCP, LP
Webmaster: Matthew Tittl, CCP, LP
Friday, March 22nd, 2019

1500 – 1700: Registration and Sign-in - Concourse Hotel Grand Ballroom Lobby

1500 – 2200: Vendor Fair - Wisconsin Ballroom

1630 – 1815: Social Hour with Hors D’oeuvres and Cash Bar
Poster Session - Madison Ballroom

1815 – 1930: Keynote Presentation: Session 1 – Madison Ballroom

1930 – 2200: Social Hour with Hors D’oeuvres and Cash Bar
Poster Session - Madison Ballroom

Poster Session: Madison Ballroom

1630 – 2200: Review of HIPEC
Sarah Almarhoun, BS, Rush University Medical Center

Postoperative Delirium Following Cardiac Surgery with CPB
Warren Anderson, MSN, CCRN, Perfusion Student, Milwaukee School of Engineering

Angiotensin II (Giapreza) Monograph- a New Vasopressor
Takeo Cauley, BS, Perfusion Student, Milwaukee School of Engineering

Dopamine Bolus During CPB: Optimization of Venous Return
Flavio Cavallari, BS, Perfusion Student, Milwaukee School of Engineering

Review of del Nido Solution
Emily Emanuele, BS, Perfusion Student, Rush University Medical Center

Keeping the Flow with Sickle Cell: A Case Study
Leah Haden, MS, Perfusion Student, University of Iowa

Acute Kidney Injury and Cardiopulmonary Bypass
Alex Lee, BS, Perfusion Student, University of Iowa

Incidence of Microemboli in Cardioplegia- Different Types and Methods
Alyssa Ruman, BA, Perfusion Student, Milwaukee School of Engineering
Intra-Aortic Balloon Pump Support for Acute Myocardial Infarction with Cardiogenic Shock
Mark Scullion, BS, Perfusion Student, Milwaukee School of Engineering

Heparin Induced Thrombocytopenia: Can You Accept the Challenge?
D.D. Stover, BS, RRT, Perfusion Student, Vanderbilt University Medical Center

Patient Handoff Tool for Perfusionists
Alex Vasic, BS, Perfusion Student, University of Iowa

Perfusionist Role in Transmedics Transplantation
Brett Wagner, BS, Perfusion Student, Milwaukee School of Engineering

Massive Air Embolism Protocols
Molly Wettach, BS, Perfusion Student, University of Iowa

Case Report: ECMO Decannulation - Cardiectomy - BiVAD Pediag
Doug Zepeski, BS, Perfusion Student, University of Iowa

**Keynote Presentation: Session 1**
Madison Ballroom

1815 – 1830 Opening Remarks
Jennifer Tounshendeaux, CCP, Program Director

1830 – 1930: Keynote Address – Living By Heart: A Life Experience
Joe Akers, Medtronic Inc.

1930 – 2030: Hors D’oeuvres and Cash Bar - Madison Ballroom
Saturday, March 23rd, 2019

0630 – 0730: Continental Breakfast with Juice and Coffee - Madison Ballroom

Scientific Presentations: Session 2
Moderated by Nick LaRue, CCP – Madison Ballroom

0730 – 0800: Cognition and Distraction: Impact on Operating Room Performance
Scott D. Niles, CCP, University of Wisconsin, Madison
LeRoy H. Ferries Award Recipient

0800 – 0830: Initiation of a Hyperthermic Intraperitoneal Chemotherapy (HIPEC) Program at a Large Midwest Hospital System.
Aaron H. Chevinsky, MD, Director of Surgical Oncology, Program Director of Complex Surgical Oncology Fellowship, Advocate Aurora Healthcare, Milwaukee
Geoffrey Bellini, MD, Mount Sinai St. Luke’s Roosevelt General Surgery Residency Graduate, Complex Surgical Oncology Fellow, Aurora St. Luke’s Medical Center

0830 – 0900: Cardiac Transplantation in 2019
Francis X. Downey, MD, Director of Cardiac Transplantation and Mechanical Circulatory Support, Aurora St. Luke’s Medical Center, Milwaukee

0900 – 0930: Evolution of Mechanical Circulatory Support and Transplant Therapy
Lyle D. Joyce, MD, PhD, Professor; Chief, Section of Adult Cardiac Surgery, Medical College of Wisconsin, Milwaukee

0930 – 1000: Pediatric Transplant Considerations
Steven J. Kindel, MD, Program Director of Pediatric Heart Failure and Heart Transplant, Children’s Hospital of Wisconsin, Milwaukee

Break
1000 – 1015: Coffee and Soda Service - Madison Ballroom Foyer

Scientific Presentations: Session 3
Moderated by Matthew Hietpas, CCP – Madison Ballroom

1015 – 1100: Blood Parameter Monitoring for Acute Kidney Injury
Ben Komorowski, Principal Clinical Specialist, Terumo Medical

1100 – 11:30: AT3 Replacement
Cris Osborne, PhD, MSL, Grifols
1130 – 1200: Advancements in ECLS
Robert (Bob) LeBlanc, Medtronic Inc.

1200 – 1300: Lunch and Awards Presentations - Madison Ballroom
Sponsored by Haemonetics

1300 – 1630: Vendor Fair - Wisconsin Ballroom

Scientific Presentations: Session 4
Moderator: Kate Herrmann, CCP – Madison Ballroom

1300 – 1330: Live Simulation Demonstration
Jonathan Howard, CCP, Advocate Aurora Healthcare, Milwaukee

1330 – 1400: Inter-Hospital Transport on ECMO
Nathan E. Thompson, MD, PharmD, Pediatric Intensivist, Children’s Hospital of Wisconsin, Milwaukee

1400 – 1430: Transesophageal Echocardiography for the Perfusionist
Justin N. Tawil, MD, Assistant Professor of Critical Care Medicine and Cardiothoracic Anesthesiology, Medical College of Wisconsin, Milwaukee

1430 – 1500: Acute Mechanical Circulatory Support and ECMO in the Setting of Cardiogenic Shock
Lucian A. “Buck” Durham III, MD, PhD, Associate Professor; Director of Mechanical Circulatory Support/ECMO, Medical College of Wisconsin, Milwaukee

1500 – 1600: Case Reports
1500 – 1520: ECMO as a Bridge to PTE... and Beyond!
Kate Herrmann, CCP, Medical College of Wisconsin, Milwaukee

1520 – 1540: Shock Team to Cardiac Transplantation
Matthew Hietpas, CCP, Lead Perfusionist, Advocate Aurora Healthcare, Milwaukee

1540 – 1600: Dual Aortic Perfusion Strategy for Norwood Repair
Michelle York, CCP, Children’s Hospital of Wisconsin, Milwaukee

1600 – 1630: Ventilator Settings for the Promotion of Healing on ECMO
Vikram Khatri, MD, Anesthesiologist, Intensivist, Advocate Aurora Healthcare, Milwaukee

1630 – 1700: Observations from 20 Years of Involvement in Perfusion Education
Ronald J. Gerrits, PhD, Milwaukee School of Engineering
Ronald D. Nichols Award Recipient

1700 – 1730: MSOE IAC Meeting – Madison Ballroom
Sunday, March 24th, 2019

0630 – 0730: Continental Breakfast with Coffee and Juice – Madison Ballroom

Scientific Presentations: Session 5
Moderated by Kirsten Kallies, CCP – Madison Ballroom

0730 – 0800: iNO in CPB Circuit Considerations
Kevin Daley, CCP, Lead Perfusionist, Children’s Hospital of Wisconsin, Milwaukee

0800 – 0830: New Techniques for the Repair of Type A Aortic Dissection
Eric S. Weiss, MD, Director of the Thoracic Aortic Program, Co-Director of Structural Heart Program, Advocate Aurora Healthcare, Milwaukee

William P. Young Award Recipient

0830 – 0900: Myocardial Protection and Cerebral Perfusion Strategies in Complex Aortic Surgery
Chris K. Rokkas, MD, Associate Professor, Medical College of Wisconsin, Milwaukee

0900 – 1000: Case Reports

0900 – 0920: Modification of Traditional AngioVac Circuit
Carson Buss, CCP, University of Wisconsin, Madison

0920 – 0940: Angiomax as a Heparin Alternative
Benjamin Buckoski, CCP, Aurora Baycare, Green Bay

0940 – 1000: Redo Aortic Valve Replacement in a Pregnant Patient
Andrew Spies, BS, Vanderbilt University Medical Center, Nashville

Break

1000 – 1015: Coffee and Soda Service – Madison Ballroom

Scientific Presentations: Session 6
Moderated by Carson Buss, CCP – Madison Ballroom

1015 – 1045: Use of Vitamin B12 in Patients at Risk for Vasoplegia in Cardiopulmonary Bypass
Isaac Pacheco, BS, Perfusion Student, Milwaukee School of Engineering

1045 – 1115: A Comparative Review of LVADS, PVADS, and BIVADS
Cassandra Poulos, BS, Perfusion Student, Rush University Medical Center
Coordinating a meeting like this is no small task, but when you have a great organization like WPS, it becomes much easier. As program directors, we were able to focus the majority of our attention on the educational content of the meeting because of the WPS team. Very special thanks go out to the entire WPS Board. Also, to our vendors, thank you for supporting this meeting - you and your companies are truly supporting the education of us all, and we appreciate it!

We would like to extend a very special thanks to our program faculty. We understand what a major task it is to not only put your talks together, but to give up your personal weekend to present at this meeting. We hope that you enjoy your experience speaking at this meeting, and we hope you will come back in the future.

Thanks again to everyone for attending the 26th annual Wisconsin Perfusion Society meeting! We hope to see you back next year!
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Award Recipients

William P. Young Award
Dr. Eric S. Weiss, MD
Advocate Aurora Healthcare, Milwaukee

LeRoy H. Ferries Award
Scott Niles CCP, LP
University of Wisconsin, Madison

Ronald Nichols Award
Ronald Gerrits, PhD,
Milwaukee School of Engineering

25 Year Service Award
Scott D. Niles, Madison, WI
Steven B. Myers, Troy, MI

30 Year Service Award
Jeffrey R. Frank, Bismarck, ND

45 Year Service Award
James E. Bobby II, Milwaukee, WI

Essay Scholarship Winners

Nicholas Kress, BS, Milwaukee School of Engineering
Donated by: Innovative Medical and Ron Nichols

Flavio Cavallari, BS, Milwaukee School of Engineering
Donated by: Innovative Medical, Medtronic Inc., and Ron Nichols

Thank you to all of the other WPS members who donated to the essay scholarship.
Your contributions are greatly appreciated.
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Award Recipients

Tony Taraskiewicz Award

On March 24, 2007 John Anthony Taraskiewicz died in an automobile accident that left his friends, family, loved ones, and co-workers in shock.

“Tony” as he was known, was memorialized at the April 2007 Wisconsin Perfusion Society’s Spring Conference by his peers, co-workers-past and present-as well as by the entire perfusion community to which he belonged. At the close of that meeting it was suggested that the Society honor Tony’s name by establishing a memorial.

Over the following year members of the WPS, both active and retired, formed the “John Taraskiewicz Memorial Achievement Award Committee”. This committee felt that Tony’s memory would be best honored by recognizing an outstanding achievement by a student for either service, concept, or methodology in the field of perfusion. At one point during his career as a perfusionist Tony served as a Clinical Instructor in the Masters Program at the Milwaukee School of Engineering. He was able to bring a different prospective in perfusion to his students and will be remembered for that by them.

The committee established the guidelines, initiated the application process, will review the potential recipient’s achievement, and make their selection. The funding of this award was accomplished and made possible by contributions from Tony’s friends, co-workers, and employers. Periodic funds drives will be held in order to ensure that Tony’s memory will be honored for a long time to come.

2019 Taraskiewicz Award Recipient: Andrew Spies, BS, Vanderbilt University
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Thank you for your support of the WPS!