

**CATEGORY I MEETING CEUs
FOR PERFUSION RELATED MEETINGS
SELF DIRECTED CONTINUING EDUCATION (SDCEs) Begins Page 52
January 2018 – December 2023 (As approved)
Updated February 7, 2023**

January 1, 2018

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|--|------------|------------------|
| <i>15th Annual Winter Park Perfusion Conference</i> | 1/07-10/18 | 26.4 CEUs |
| Doc Phiroz | Sun 4.8 | Mon 7.2 |
| Winter Park Colorado | Tue 7.2 | Wed 7.2 |
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| <i>39th Annual Seminar of the American Academy of Cardiovascular Perfusion (AACP)</i> | 1/17-20/18 | 42.0 <u>CEUs</u> |
| American Academy of Cardiovascular Perfusion | Wed 3.6 | Thu 13.2 |
| New Orleans, Louisiana | Fri 12.6 | Sat 12.6 |
| www.theaacp.com | | |
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| <i>39th Annual Seminar of the American Academy of Cardiovascular Perfusion (AACP)</i> | 1/18-20/18 | 34.8 <u>CEUs</u> |
| American Academy of Cardiovascular Perfusion | Thu 12.0 | Fri 11.4 |
| New Orleans, Louisiana | Sat 11.4 | |
| Webinar (Online only) | | |
| www.theaacp.com | | |
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| <i>PerfWeb 1-TCD and Hyperkalemia – Webcast</i> | 1/20/18 | 5.0 CEUs |
| Perfusion International, LLC | Sat 5.0 | |
| Alexandria, Louisiana (Online only) | | |
| www.PerfWeb.US | | |
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| <i>STS 54th Annual Meeting</i> | 1/27-31/18 | 31.7 CEUs |
| Society of Thoracic Surgeons | Sat 0.0 | Sun 8.7 |
| Fort Lauderdale, Florida | Mon 9.5 | Tue 9.5 |
| | Wed 4.8 | |
| www.sts.org/meetings/calendar-of-events/sts-54th-annual-meeting.org | | |
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| <i>PerfWeb 2-Perfusion Staffing – Webcast</i> | 2/07/18 | 2.5 CEUs |
| Perfusion International, LLC | Wed 2.5 | |
| Alexandria, Louisiana (Online only) | | |
| www.PerfWeb.US | | |
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| <i>2018 Nebraska Perfusion Society Annual Meeting</i> | 2/10/18 | 5.3 CEUs |
| Nebraska Perfusion Society | Sat 5.3 | |
| Omaha, Nebraska | | |
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| <i>Houston Aortic Symposium: Frontiers in Cardiovascular-Diseases – The Eleventh in the Series</i> | 2/15-17/18 | 18.64 CEUs |
| Promedica International CME | Thu 8.04 | Fri 7.74 |
| Westin Oaks, Houston, Texas | Sat 2.86 | |
| http://www.houstonaorticsymposium.com | | |

| Meeting Location | Date | CEUs |
|---|---|-------------------------------------|
| 2018 UAB ECLS Symposium University of Alabama at Birmingham Mountain Brook, Alabama http://Uabmedicine.org/refercmouab.edu/ECLS | 2/16-17/18 Fri 8.1 | 16.5 CEUs Sat 8.4 |
| 21 st Annual Update on Pediatric and Congenital Cardiovascular Disease Children's Hospital of Philadelphia Scottsdale, Arizona www.chop.cloud-cme.com | 2/21-25/18 Wed 11.0 Fri 11.1 Sun 3.3 | 45.40 CEUs Thurs 11.4 Sat 8.6 |
| 34 th Children's National Symposium: ECMO and the Advanced Therapies for Respiratory Failure Children's National and George Washington University School of Medicine Keystone, Colorado | 2/25-3/1/18 Sun 7.8 Tue 7.8 Thu 2.4 | 30.6 CEUs Mon 7.8 Wed 4.8 |
| PerfWeb 3-ECMO Usage – Webcast Perfusion International, LLC Alexandria, Louisiana (Online only) www.PerfWeb.US | 2/27/18 Tue 2.5 | 2.5 CEUs |
| AATS Mechanical Circulatory Support Symposium 21 st Century State of the Art Treatment of Art Treatment of Advance Heart and Lung American Association for Thoracic Surgery Houston, Texas www.aats.org/mcs | 3/08-09/18 Fri 9.2 | 15.80 CEUs Sat 6.6 |
| PerfWeb 4-Check Lists: Do they actually Work? – Webcast Perfusion International, LLC Alexandria, Louisiana (Online only) www.PerfWeb.US | 3/10/18 Sat 5.0 | 5.0 CEUs |
| Congenital Cardiac Anesthesia Society 2018 Annual Meeting Society for Pediatric Anesthesia and Congenital Cardiac Anesthesia Society Phoenix, Arizona http://www2.ccasociety.org/meetings/2018winter/guide | 3/22/18 Thu 10.1 | 10.1 CEUs |
| AAHFN Advanced Heart Failure Symposium: From Diagnosis to Treatments American Association of Heart Failure Nurses Philadelphia, Pennsylvania www.AAHFN.org | 3/23-24/18 Fri 7.8 | 15.9 CEUs Sat 8.1 |
| PerfWeb 5-MRI, CT, and X-Ray Reading | 3/24/18 | 5.0 CEUs |

| Meeting Location | Date | CEUs |
|---|-----------------------------------|----------------------------------|
| <i>for the Perfusionist – Webcast</i> Perfusion International, LLC Alexandria, Louisiana (Online Only) www.PerfWeb.US | Sat 5.0 | |
| <i>Sanibel Symposium, General Session</i> Perfusion.com, Inc. Fort Myers, Florida http://www.perfusion.com/symposium | 4/04-07/18 Wed 11.9 Fri 9.2 | 40.1 CEUs Thu 10.7 Sat 8.3 |
| <i>Sanibel Symposium LIVE Webcast Session</i> Perfusion.com, Inc. Fort Myers, Florida http://www.perfusion.com/symposium | 4/04-07/18 Wed 11.9 Fri 9.2 | 40.1 CEUs Thu 10.7 Sat 8.3 |
| <i>PerfWeb 6-Cardioplegia and ECMO Pt. Selection: It really matters – Webcast</i> Perfusion International, LLC Alexandria, Louisiana (Online only) www.PerfWeb.US | 4/05/18 Thu 2.6 | 2.6 CEUs |
| <i>Wisconsin Perfusion Society 25th Annual Spring Educational</i> Wisconsin Perfusion Society Madison, Wisconsin www.wisperfusion.org | 4/06-08/18 Fri 5.1 Sun 6.0 | 21.3 CEUs Sat 10.2 |
| <i>Multi-Disciplinary Master Class in Endocarditis</i> Cleveland Clinic Heart and Vascular Institute Cleveland, Ohio www.ccfme.org/Endocaritis18 | 4/11-13/18 Wed 0.0 Fri 9.0 | 17.3 CEUs Thu 8.3 |
| <i>PerfWeb 7-Advancement in Extracorporeal Technologies and Future of Perfusion- Webcast</i> Perfusion International, LLC Alexandria, Louisiana (Online only) www.PerfWeb.US | 4/12/18 Thu 2.6 | 2.6 CEUs |
| <i>Pennsylvania State Perfusion Society-Spring Conference 2018</i> Pennsylvania State Perfusion Society Pittsburgh, Pennsylvania | 4/20-22/18 Fri 3.6 Sun 5.1 | 18.6 CEUs Sat 9.9 |
| <i>UPMC Procirca Adult ECMO Training Course</i> UPMC Procirca and University of Pittsburgh School of Medicine Center for Continuing Education in the Health Science Pittsburgh, Pennsylvania | 4/25-28/18 Wed 8.1 Fri 7.4 | 27.5 CEUs Thu 7.2 Sat 4.8 |
| <i>56th International AmSECT Conference</i> American Society of ExtraCorporeal Technology | 4/27-5/1/18 Fri 8.1 | 46.1 CEUs Sat 10.1 |

| Meeting Location | Date | CEUs |
|--|------------------------|----------------------|
| San Diego, California | Sun 8.7 Tue 8.7 | Mon 10.5 |
| http://www.amsect.org/page/International-Conference-Event-Agenda | | |
| <i>2018 New England Perfusion Symposium</i> Connecticut Society of Perfusion & Massachusetts Society of Perfusion Newport, Rhode Island | 4/28/18 Sat 9.6 | 9.6 CEUs |
| http://ctperf.com | | |
| <i>Autologous Blood Therapy Short Course (ABTC)</i> PRFUZN, Inc. Pearl, Mississippi | 4/28-29/18 Sat 12.0 | 18.0 CEUs Sun 6.0 |
| PRFUZN@bellsouth.net | | |
| <i>UNMC Clinical Perfusion Research Defense</i> University of Nebraska Medical Center Omaha, Nebraska | 5/3/18 Thu 4.5 | 4.5 CEUs |
| https://www.unmc.edu/alliedhealth/education/cpe/index.html | | |
| <i>14th International Conference on Pediatric Mechanical Circulatory Support Systems & Pediatric Cardiopulmonary Perfusion</i> Children's Hospital of Chicago (CHC) Chicago, Illinois | 5/03-04/18 Thu 8.6 | 17.7 CEUs Fri 9.1 |
| https://www.ispmcs.org/annual-conference/ | | |
| <i>2018 Mid-Atlantic VAD and ECMO Symposium (MAVES)</i> Maryland State Perfusion Society Baltimore, Maryland | 5/05/18 Sat 10.0 | 10.0 CEUs |
| https://mdperfusion.com | | |
| <i>PerfWeb 9-Nutrition and Disease—Webcast</i> Perfusion International, LLC Alexandria, Louisiana (Online only) | 5/10/18 Thu 2.5 | 2.5 CEUs |
| www.PerWeb.US | | |
| <i>Penn Medicine Adult ECMO Symposium 2018</i> Perelman School of Medicine at the University of Pennsylvania Philadelphia, Pennsylvania | 5/11-12/18 Fri 10.4 | 17.6 CEUs Sat 7.2 |
| www.penncmeeonline.com | | |
| <i>Autotransfusion in Clinical Practice: Advancing Blood Management Practices in the Whole Hospital</i> Pfiedler Enterprises | 5/16/18 Wed 9.1 | 9.1 CEUs |

| Meeting Location | Date | CEUs |
|---|---|-----------|
| Houston, Texas | | |
| | www.pfiedlerenterprises.com | |
| <i>28th Annual Specialist Education in Extracorporeal Membrane Oxygenation (SEECMO)</i> | 5/18-20/18 | 18.4 CEUs |
| | Fri 9.4 | Sat 4.0 |
| Indiana University Health Methodist Hospital and Riley Hospital for Children Indianapolis, Indiana | Sun 5.0 | |
| <i>7th EuroELSO Congress on ECMO-ECLS</i> | 5/23-26/18 | 30.3 CEUs |
| Congress Secretariat, Guarant International | Wed 7.2 | Thu 9.3 |
| Prague, Czech Republic | Fri 9.0 | Sat 4.8 |
| | http://www.prague-euroelso2018.com | |
| <i>Augusta University Cardiac Symposium</i> | 5/30-6/02/18 | 21.9 CEUs |
| Augusta University Medical Center | Thu 1.5 | Fri 10.8 |
| Savannah, Georgia | Sat 9.6 | |
| | http://www.augusta.edu/mcg/surgery/cardiothoracic/perfusion-symposium/ | |
| <i>23rd Annual Missouri Perfusion Meeting</i> | 6/01-02/18 | 16.0 CEUs |
| The Missouri Perfusion Society | Fri 8.0 | Sat 8.0 |
| Kansas City, Missouri | | |
| | www.missouriperfusion.com | |
| <i>THI Perfusion Conference June 2018</i> | 6/07-09/18 | 19.2 CEUs |
| Texas Heart Institute | Thu 2.4 | Fri 9.9 |
| Houston, Texas | Sat 6.9 | |
| | www.texasheart.org/perfconf | |
| <i>2018 CSCP Western Region Meeting</i> | 6/08-10/18 | 24.6 CEUs |
| Canadian Society of Clinical Perfusion | Fri 9.9 | Sat 10.8 |
| Edmonton, Alberta, Canada | Sun 3.9 | |
| | http://www.cscp.ca/Professionals/Events/Western-Region-Meeting | |
| <i>PerfWeb 10-AngioVac—Webcast</i> | 6/09/18 | 5.0 CEUs |
| Perfusion International, LLC | Sat 5.0 | |
| Alexandria, Louisiana (Online only) | | |
| | www.PerWeb.US | |
| <i>ASAIO 64th Annual Conference</i> | 6/13-16/18 | 31.7 CEUs |
| American Society of Artificial Internal Organs | Wed 10.7 | Thu 8.1 |
| Washington, DC | Fri 7.8 | Sat 5.1 |
| | www.asaio.com | |
| <i>The New Orleans Conference 2018</i> | 6/27-30/18 | 22.5 CEUs |
| Perfusion International, LLC | Wed 9.9 | Thu 5.1 |
| New Orleans, Louisiana | Fri 3.6 | Sat 3.9 |
| | http://TheNewOrleansConference.com | |

| Meeting Location | Date | CEUs |
|--|---|---------------------------------|
| <i>The New Orleans Conference 2018 Webinar</i> Perfusion International, LLC New Orleans, Louisiana (Online only) | 6/27-30/18 Wed 9.9 Fri 3.6 | 22.5 CEUs Thu 5.1 Sat 3.9 |
| http://TheNewOrleansConference.com | | |
| <i>AATS Surgical Patient safety Course 2018</i> American Association for Thoracic Surgery Boston, Massachusetts | 6/29-30/18 Fri 10.4 | 19.40 CEUs Sat 9.0 |
| www.aats.org/patientsafety | | |
| <i>PerfWeb 11-CVVH/CRRT—Webcast</i> Perfusion International, LLC Alexandria, Louisiana (Online only) | 7/17/18 Tue 2.5 | 2.5 CEUs |
| www.PerWeb.US | | |
| <i>PerfWeb 12-ECMO—Webcast</i> Perfusion International, LLC Alexandria, Louisiana (Online only) | 7/19/18 Thu 2.5 | 2.5 CEUs |
| www.PerWeb.US | | |
| <i>18th Annual International Symposium on Congenital Heart Disease & 6th Scientific Meeting of the World Society for Pediatric and Congenital Heart Surgery</i> Johns Hopkins All Children's Hospital Orlando, Florida | 7/22-26/18 Sun 8.7 Tue 6.0 Thu 3.6 | 31.5 CEUs Mon 6.9 Wed 6.3 |
| www.wspchs2018.com | | |
| <i>10th Annual Neonatal and Pediatric ECMO Education Conference</i> Children's Hospital of Pittsburgh of UPMC Pittsburgh, Pennsylvania | 7/30-8/01/18 Mon 8.7 Wed 5.5 | 24.4 CEUs Tue 10.2 |
| http://www.chp.edu/health-care-professionals/cme/other-cme/ecmo | | |
| <i>Perfusion Downunder—The Winter Meeting</i> LivaNova Queenstown, New Zealand | 8/09-11/18 Thu 3.0 Sat 7.2 | 21.3 CEUs Fri 11.1 |
| www.perfusiondownunder.com | | |
| <i>Eighth Annual Michigan Perfusion Society Meeting</i> Michigan Perfusion Society Thompsonville, Michigan | 8/10-12/18 Fri 12.8 Sun 3.6 | 25.1 CEUs Sat 8.7 |
| <i>PerfWeb 13 Cerebral Embolic Protection</i> Perfusion International, LLC Alexandria, Louisiana (Online only) | 8/14/18 Tue 2.6 | 2.6 CEUs |
| www.PerfWeb.US | | |

| Meeting Location | Date | CEUs |
|--|------------------------------------|----------------------------------|
| <i>PerfWeb 14 Pros and Cons of State Licensure for Perfusion</i> Perfusion International, LLC Alexandria, Louisiana (Online only) www.PerfWeb.US | 8/16/18 Thu 2.6 | 2.6 CEUs |
| <i>Autologous Blood Therapy Short Course (ABTC)</i> PRFUZN, Inc. Pearl, Mississippi PRFUZN@bellsouth.net | 8/25-26/18 Sat 12.0 | 18.0 CEUs Sun 6.0 |
| <i>Brano Heart Failure Forum</i> BRANO Colleagues Zagreb, Croatia www.brandohff.org | 9/05-08/18 Wed 10.1 Fri 9.3 | 31.1 CEUs Thu 9.0 Sat 2.7 |
| <i>38th Annual Cardiothoracic Surgery Symposium (CREF 2018)</i> The Institute for Medical Studies (IMS) and Aligned Management Associates, Inc. San Diego, California https://www.crefmeeting.com | 9/06-09/18 Thu 9.3 Sat 11.0 | 40.1 CEUs Fri 13.2 Sun 6.6 |
| <i>PerfWeb 15 Charting</i> Perfusion International, LLC Alexandria, Louisiana (Online only) www.PerfWeb.US | 9/11/18 Tue 2.5 | 2.5 CEUs |
| <i>SABM 2018 Annual Meeting: Bridging the World Through Patient Blood Management Partnerships</i> Society for the Advancement of Blood Management Brooklyn, New York | 9/12-15/18 Wed 10.6 Fri 9.7 | 32.9 CEUs Thu 5.7 Sat 6.9 |
| <i>PerfWeb 16 TAVR and Complex Cases</i> Perfusion International, LLC Alexandria, Louisiana (Online only) www.PerfWeb.US | 9/13/18 Thu 2.5 | 2.5 CEUs |
| <i>Case Reports in the Sun (CRITS 2018)</i> Florida Perfusion Society Hollywood Beach, Florida www.floridaperfusion.org | 9/13-15/18 Thu 12.0 Sat 9.4 | 32.4 CEUs Fri 11.0 |
| <i>Case Reports in the Sun (CRITS 2018) Webinar</i> Florida Perfusion Society Hollywood Beach, Florida www.floridaperfusion.org | 9/13-15/18 Thu 12.0 Sat 10.4 | 34.4 CEUs Fri 12.0 |
| <i>29th Annual Extracorporeal Life Support Organization ()</i> | 9/13-17/18 | 30.78 CEUs |

| Meeting Location | Date | CEUs |
|---|-----------------------------------|----------------------|
| <i>Conference</i> Extracorporeal Life Support Organization (ELSO) Scottsdale, Arizona | Thu 4.7 Sat 3.9 Mon 5.7 | Fri 5.6 Sun 10.88 |
| www.else.org | | |
| <i>Advances in Quality & Outcomes: A Data Managers Meeting</i> The Society of Thoracic Surgeons & Corexcel Hollywood, California | 9/26-28/18 Wed 8.4 Fri 8.3 | 25.3 CEUs Thu 8.6 |
| https://www.sts.org/sites/default/files/documents/2018_AQO_Preliminary_Agenda_1.pdf | | |
| <i>Advances in Pediatric and Congenital Heart Summit: Atrial Isomerism – The Road to Survival</i> Cleveland Clinic/Cleveland Clinic Children’s Akron Children’s Hospital Cleveland, Ohio | 9/27-29/18 Thu 10.1 Sat 5.2 | 23.9 CEUs Fri 8.6 |
| www.ccfme.org/pediatricheart18 | | |
| <i>The Extracorporeal Life Support Symposium</i> The Ohio State University Wexner Medical Center Columbus, Ohio | 9/28/18 Fri 5.8 | 5.8 CEUs |
| https://wexnermedical.osu.edu/~media/Images/WexnerMedical/Email/NatalieBrown/ROSS20180065COM/P1/ECMOAgenda.pdf | | |
| <i>Harvard/MGH Short Term Mechanical Support Heart and Lung Symposium</i> Massachusetts General Hospital Boston, Massachusetts | 9/28-29/18 Fri 7.6 Sat 7.4 | 15.0 CEUs |
| https://www.phsccd.org/activities/activity-detail/ | | |
| <i>Ontario Society of Clinical Perfusion (OSCP) Annual General Meeting and Scientific Sessions</i> Ontario Society of Clinical Perfusion Markham, Ontario | 9/28-29/18 Fri 4.2 Sat 12.3 | 16.5 CEUs |
| <i>PerfWeb 17 Pediatric Perfusion Refresher for the Adult Perfusionist</i> Perfusion International, LLC Alexandria, Louisiana (Online only) | 10/02/18 Tue 2.5 | 2.5 CEUs |
| www.PerfWeb.US | | |
| <i>PerfWeb 18 Multi Camera View of Pump, Hemodynamic Monitors and Surgery</i> Perfusion International, LLC Alexandria, Louisiana (Online only) | 10/04/18 Thu 2.5 | 2.5 CEUs |
| www.PerfWeb.US | | |
| <i>AmSECT Pediatric Perfusion Conference</i> | 10/04-06/18 | 23.0 CEUs |

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|---|------------------------------------|-----------------------|
| American Society of ExtraCorporeal Technology Miami, Florida | Thu 8.1 Sat 7.4 | Fri 7.5 |
| http://www.amsect.org/p/cm/ld/fid=1604 | | |
| <i>15th Annual Multidisciplinary Cardiovascular and Thoracic Critical Care Conference</i> The Society of Thoracic Surgeons Washington, DC | 10/04-06/18 Thu 10.3 Sat 4.7 | 22.5 CEUs Fri 7.5 |
| https://www.sts.org/meetings/calendar-of-events/15th-annual-multidisciplinary-cardiovascular-and-thoracic-critical-care-conference | | |
| <i>Pennsylvania State Perfusion Society-Fall Conference 2018</i> Pennsylvania State Perfusion Society King of Prussia, Pennsylvania | 10/05-07/18 Fri 3.6 Sun 4.2 | 16.2 CEUS Sat 8.4 |
| www.pennperf.org | | |
| <i>23rd Annual Illinois State Perfusion Society Scientific Conference</i> Illinois State Perfusion Society Oak Brook Illinois | 10/05-06/18 Fri 3.5 | 17.9 CEUs Sat 14.4 |
| www.illinoisperfusion.org | | |
| <i>1st Annual Shock Symposium: Meds vs. Machines</i> Hartford Healthcare Heart & Vascular Institute Rocky Hill, Connecticut | 10/11-12/18 Thu 1.4 | 9.9 CEUs Fri 8.5 |
| www.hartfordhospital.org/ever | | |
| <i>Cardiovascular Disease Management: A Case-Based Approach, 6th Annual Symposium</i> Promedica International CME Phoenix, Arizona | 10/11-12/18 Thu 6.6 | 14.7 CEUs Fri 8.1 |
| http://promedicacme.com/symposium/cardiovascular-disease-management-a-case-based-approach-6th-annual-symposium | | |
| <i>I Congreso dela Asociación Latinoamericana de Perfusion</i> Asociación Latinoamericana de Perfusion ALAP Bogotá, Colombia | 10/11-13/18 Thu 8.4 Sat 3.8 | 21.6 CEUs Fri 9.4 |
| www.eventosalap.com | | |
| <i>2018 Team SUNY Meeting</i> SUNY Upstate Medical University Syracuse, New York | 10/12-13/18 Fri 2.4 Sun 4.8 | 17.7 CEUs Sat 10.5 |
| <i>Baltimore Perfusion Conference 2018</i> Maryland State Perfusion Society, Inc. Baltimore, Maryland | 10/13-14/18 Sat 10.0 | 15.0 CEUs Sun 5.0 |
| https://mdperfusion.com/events/ | | |

| Meeting Location | Date | CEUs |
|--|---|---------------------------------|
| <i>UPMC Procirca Adult ECMO Training Course</i> UPMC Procirca and University of Pittsburgh School of Medical Center for Continuing Education in the Health Sciences Pittsburgh, Pennsylvania | 10/17-20/18 Wed 8.1 Fri 7.8 | 28.2 CEUs Thu 6.3 Sat 6.0 |
| <i>Foundations of ECLS; Skills, Training, and Hands-on Management</i> UK Gill Heart and Vascular Institute Lexington, Kentucky | 10/19-20/18 Fri 7.4 | 12.2 CEUs Sat 4.8 |
| | https://www.cecentral.com/live/15106 | |
| <i>CSCP Annual General Meeting and Scientific Sessions</i> Canadian Society of Clinical Perfusion Toronto, Ontario, Canada | 10/19-21/18 Fri 7.0 Sun 10.2 | 26.2 Sat 9.0 |
| | www.cscp.ca | |
| <i>2018 North Carolina Society of Perfusionists Annual Educational Seminar</i> Duke University Perfusion Department and the North Carolina Society of Perfusionists Charlotte, North Carolina | 10/19-21/18 Fri 1.8 Sun 5.1 | 17.0 CEUs Sat 10.1 |
| | www.ncsocietyofperfusion.org | |
| <i>Autotransfusion in Clinical Practice: Advancing Blood Management Practices in the whole Hospital</i> Pfiedler Education Houston, Texas | 10/24/18 Wed 9.4 | 9.4 CEUs |
| | www.pfiedlerenterprises.com | |
| <i>2018 29th Annual Cardiovascular Interventions</i> Promedica International CME La Jolla, California | 10/24-26/18 Wed 4.8 Fri 11.4 | 27.6 CEUs Thu 44.4 |
| | http://www.cvinterventions.com/ | |
| <i>20th Annual Update on Perfusion Conference</i> Medical University of South Carolina Charleston, South Carolina | 10/25-27/18 Thu 1.2 Sat 9.3 | 19.8 CEUs Fri 9.3 |
| | http://academicdepartments.musc.edu/chp/cvp/conference/index.htm | |
| <i>ECMO Specialist Essentials Training: Feeling Confident with ECMO Mechanics</i> ECMO Life, LLC Raleigh, North Carolina | 10/26/18 Fri 9.6 | 9.6 CEUs |
| | www.ecmolife.com | |
| <i>ECLS Team Symposium: Advancing ECLS in Our Region and Beyond</i> | 10/26-27/18 Fri 4.2 | 12.2 CEUs Sat 8.0 |

| Meeting Location | Date | CEUs |
|---|-------------------------------------|---------------------------------|
| University of Nebraska Medical Center Omaha, Nebraska www.unmc.edu/ecmo | | |
| <i>Nashville Perfusion Conference 2018</i> Perfusion University; HealthCare CEUs Nashville, Tennessee http://healthcareceus.net/ | 10/27/18 Sat 9.0 | 9.0 CEUs |
| <i>Minnesota Perfusion Society's Annual Fall Cardiovascular Perfusion Practices and ECLS Meeting</i> Minnesota Perfusion Society Bloomington, Minnesota http://mnperfsoc.org/meetingprogram.html | 11/02-04/18 Fri 9.0 Sun 3.9 | 20.7 CEUs Sat 7.8 |
| <i>New York State Society of Perfusion (NYSSP) Annual Perfusion Symposium</i> Plainview, New York | 11/03/18 Sat 10.2 | 10.2 CEUs |
| <i>PerfWeb 19 Novel Anticoagulants</i> Perfusion International. LLC Alexandria, Louisiana (Online only) www.PerfWeb.US | 11/13/18 Tue 2.5 | 2.5 CEUs |
| <i>PerfWeb 20 Fluid Management and UF</i> Perfusion International. LLC Alexandria, Louisiana (Online only) www.PerfWeb.US | 11/15/18 Thu 2.5 | 2.5 CEUs |
| <i>Controversies & Advances in the Treatment of Cardiovascular Diseases – The Eighteenth is the Series</i> Promedica International Beverly Hills, California http://www.controversiesincardiology.com/ | 11/15-16/18 Thu 10.8 Fri 8.52 | 19.32 |
| <i>UPMC Procirca Adult ECMO Training Course</i> UPMC Procirca and University of Pittsburgh School of Medical Center for Continuing Education in the Health Sciences Pittsburgh, Pennsylvania | 12/05-08/18 Wed 8.1 Fri 7.8 | 28.2 CEUs Thu 6.3 Sat 6.0 |
| <i>THI Perfusion Conference-Case Reports December 2018</i> THI School of Perfusion Technology Houston, Texas | 12/06/18 Thu 4.4 | 4.4 CEUs |

| Meeting Location | Date | CEUs |
|---|--|----------------------------------|
| <i>PerfWeb 21: Understanding How TEG Works and Interpreting the Graphs</i> Perfusion International. LLC Alexandria, Louisiana (Online only) www.PerfWeb.US | 12/11/18 Tue 2.5 | 2.5 CEUs |
| <i>Pediatric Cardiac Intensive Care Society 14th Annual International Meeting</i> PCICS and Cincinnati Children's Hospital Miami, Florida https://www2.pcics.org/meeting/2018annual/guide/index.iphtml | 12/13-16/18 Thu 6.4 Sat 8.2 | 28.2 CEUs Fri 8.7 Sun 4.9 |
| <i>PerfWeb 22: Antegrade or Retrograde Isolated Cerebral Perfusion</i> Perfusion International LLC Alexandria, Louisiana (Online Only) www.PerfWeb.US | 12/18/18 Thu 2.5 | 2.5 CEUs |
| <u>January 1, 2019</u> | | |
| <i>16th Annual Winter Park Perfusion Webinar</i> Doc Phiroz Winter Park, Colorado | 1/13-16/19 Sun 4.8 Tue 7.2 | 26.4 CEUs Mon 7.2 Wed 7.2 |
| <i>16th Annual Winter Park Perfusion Conference</i> Doc Phiroz Winter Park, Colorado | 1/13-16/19 Sun 4.8 Tue 7.2 | 26.4 CEUs Mon 7.2 Wed 7.2 |
| <i>Society of Thoracic Surgeons 55th Annual Meeting</i> The Society of Thoracic Surgeons San Diego, California https://www.sts.org/meeting/calendar-of-events/sts-55th-annual-meeting | 1/27-29/19 Sun 9.4 Tue 9.3 | 28.0 CEUs Mon 9.3 |
| <i>Chicagoland Perfusion Foundation Meeting</i> Chicagoland Perfusion Foundation Chicago, Illinois https://www.luriechildrens.org/en/events/chicagoland-perfusion-foundation-meeting/ | 2/2/19 Sat 12.3 | 12.3 CEUs |
| <i>22nd Annual Update on Pediatric and Congenital Cardiovascular Disease: Effective Teams, Improving Outcomes</i> Children's Hospital of Philadelphia Huntington Beach, California Chop.cloud-cme.com | 2/13-17/19 Wed 11.0 Fri 6.0 Sun 5.7 | 43.1 CEUs Thu 11.1 Sat 9.3 |
| <i>Nebraska Perfusion Society Annual Meeting 2019 and Webinar</i> Nebraska Perfusion Society Lincoln, Nebraska https://www.facebook.com/HemePerfusion/ | 2/16/19 Sat 6.3 | 6.3 CEUs |
| <i>40th Annual Seminar of the American Academy of</i> | 2/6-9/19 | 12.6 CEUs |

| Meeting Location | Date | CEUs |
|---|---|---------------------------------|
| <i>Cardiovascular Perfusion Meeting</i> The American Academy of Cardiovascular Perfusion Palm Coast, Florida | Wed 3.6 Fri 12.6 | Thu 15.6 Sat 12.6 |
| http://www.theaacp.com/wp-content/uploads/2018/12/Program.pdf | | |
| <i>40th Annual Seminar of the American Academy of Cardiovascular Perfusion Webinar</i> The American Academy of Cardiovascular Perfusion Palm Coast, Florida | 2/7-9/19 Thu 12.6 Sat 12.6 | 12.6 CEUs Fri 12.6 |
| www.theAACP.com | | |
| <i>5th Annual Wild West Perfusion Conference</i> Arizona State Perfusion Society Phoenix, Arizona | 2/23/19 Sat 8.4 | 8.4 CEUs |
| www.azperfusion.com | | |
| <i>35th Children's National Symposium: ECMO and the Advanced Therapies for Respiratory Failure</i> Gary Oldenburg, MS, RRT-NPS; Children's National And George Washington University School of Medicine Keystone, Colorado | 2/24-28/19 Sun 6.6 Tue 9.6 Thu 2.4 | 31.2 CEUs Mon 7.8 Wed 4.8 |
| <i>Houston Annual Shock Symposium</i> UTHealth Houston, Texas | 3/01-03/19 Fri 4.2 Sun 4.2 | 18.5 CEUs Sat 10.1 |
| https://med.uth.edu/cahf/houston-shock-symposium/ | | |
| <i>The Houston Aortic Symposium: Frontiers in Cardiovascular Diseases – The Twelfth in the Series</i> Promedica International CME Houston, Texas | 3/07-09/19 Thu 7.4 Sat 2.86 | 17.66 CEUs Fri 7.4 |
| http://www.houstonaorticsymposium.com/ | | |
| <i>57th International Conference</i> American Society of ExtraCorporeal Technology Nashville, Tennessee | 3/07-10/19 Thu 9.6 Sat 9.9 | 31.6 CEUs Fri 8.1 Sun 4.0 |
| http://www.amsect.org/p/cm/ld/fid=1641 | | |
| <i>Autotransfusion in Clinical Practice Meeting</i> Pfiedler Education Houston, Texas | 3/13/19 Wed 7.9 | 7.9 CEUs |
| <i>Congenital Cardiac Anesthesia Society (CCAS) 2019 Annual Meeting</i> Society for Pediatric Anesthesia/ | 3/14/19 Thu 11.2 | 11.2 CEUs |

| Meeting Location | Date | CEUs |
|--|-----------------------------------|----------------------------------|
| Congenital Cardiac Anesthesia Society Houston, Texas http://www3.ccasociety.org/meeting/2019winter/guide/program/index.iphtml | | |
| <i>PerfWeb 23: ECMO Part 1 and 2</i> MediWeb Alexandria, Louisiana (Online Only) www.PerfWeb.US | 3/15-16/19 Fri 2.6 Sat 2.6 | 5.2 CEUs Sat 2.6 |
| <i>Wisconsin Perfusion Society 26th Annual Spring Educational Meeting</i> Wisconsin Perfusion Society Madison, Wisconsin https://www.wisperfusion.org/ | 3/22-24/19 Fri 5.4 Sun 5.4 | 20.7 CEUs Sat 9.9 |
| <i>WSPS Spring 2019 Meeting</i> Washington State Perfusion Society Seattle, Washington | 3/23/19 Sat 5.4 | 5.4 CEUs |
| <i>Sanibel Symposium General Sessions and Webinar</i> Perfusion.com/Inc Fort Myers, Florida http://www.perfusion.com/symposium/ | 4/03-06/19 Wed 11.9 Fri 9.2 | 40.1 CEUs Thu 10.7 Sat 8.3 |
| <i>8th EuroELSO Congress on ECMO-ECLS</i> Congress Secretariat, Guarant International Barcelona, Spain www.euroelso-congress.com | 4/10-13/19 Wed 4.8 Fri 8.4 | 29.7 CEUs Thu 9.6 Sat 6.9 |
| <i>PerfWeb 24: ECMO Part 3 and 4</i> MediWeb Alexandria, Louisiana (Online Only) www.PerfWeb.US | 4/12-13/19 Fri 2.6 Sat 2.6 | 5.2 CEUs Sat 2.6 |
| <i>Pennsylvania State Perfusion Society - Spring Conference 2019</i> Pennsylvania State Perfusion Society Pittsburg, Pennsylvania | 4/12-14/19 Fri 4.5 Sun 4.2 | 19.5 CEUs Sat 10.8 |
| <i>UPMC Procirca Adult ECMO Training Course</i> UPMC Procirca and University of Pittsburg school of Medical Center for Coninuing Education in the Health Science Pittsburg, Pennsylvania | 5/01-04/19 Wed 7.8 Fri 7.0 | 27.7 CEUs Thu 7.5 Sat 5.4 |
| <i>UNMC Clinical Perfusion Research Defense</i> University of Nebraska Medical Center, Clinical Perfusion Education | 5/02/19 Thu 3.5 | 3.5 CEUs |

| Meeting Location | Date | CEUs |
|---|----------------------------------|---|
| Omaha, Nebraska | | |
| <i>29th Annual Specialist Education in Extracorporeal Membrane Oxygenation</i> Johns Hopkins All Children's Hospital St. Petersburg, Florida | 5/03-05/19 Fri 8.4 | 21.6 CEUs Sat 9.0 |
| | | www.hopkinsallchildrens.org/cme |
| <i>2019 Mid-Atlantic VAD and ECMO Symposium (MAVES)</i> Maryland State Perfusion Society (MSPS) Baltimore, Maryland | 5/04/19 Sat 10.0 | 10.0 CEUs |
| | | www.mdperfusion.com/22SGreeneStreet |
| <i>AATS 99th Annual Meeting - 2019</i> American Association for Thoracic Surgery Toronto, Ontario, Canada | 5/04-07/19 Sat 9.1 Mon 8.0 | 31.6 CEUs Sun 9.1 Tue 5.4 |
| | | https://aats.org/aatsimis/AATS/Events/AATS99thAnnualMeeting/ |
| <i>Adult ECMO Patient Management Webinar</i> InvoSurg Middleton, MA (Online Only) | 5/08/19 Wed 1.5 | 1.5 CEUs |
| | | https://zoom.us/webinar/register/WN_fsmQDf5zRnaHraujDmNt1A |
| <i>15th International Conference on Pediatric Mechanical Circulatory Support Systems and Pediatric Cardiopulmonary Perfusion</i> PennState Hershey Pediatric Cardiovascular Research Center New York, New York | 5/09-11/19 Thu 7.4 Sat 5.1 | 18.7 CEUs Fri 6.2 |
| <i>2019 The Team Approach to Cardiovascular Disease</i> Saint Thomas Health Nashville, Tennessee | 5/17-18/19 Fri 8.4 | 16.7 CEUs Sat 8.3 |
| | | http://sthscme.com/content/live-conferences |
| <i>PerfWeb 25: Renal</i> MediWeb Alexandria, Louisiana (Online Only) | 5/24-25/19 Fri 2.0 | 4.6 CEUs Sat 2.6 |
| | | www.PerfWeb.US |
| <i>2019 Palmetto State Perfusion Society Membership Drive And Meeting</i> Palmetto State Perfusion Society Greenville, South Carolina | 6/01/19 Sat 2.4 | 2.4 CEUs |
| | | www.scperfusion.org |
| <i>Graduate Clinical Perfusion Symposium *CANCELED*</i> New Foundation for Perfusion Education and | 6/01/19 Sat 10.2 | 10.0 CEUs |

| Meeting Location | Date | CEUs |
|---|---|----------------------------------|
| New York State Society of Perfusionists Plainview, New York | | |
| <i>24th Annual Missouri Scientific Meeting</i> Missouri Perfusion Society Chesterfield, Missouri | 6/07-08/19 Fri 6.8 | 15.4 CEUs Sat 8.6 |
| | http://missouriperfusion.com | |
| <i>THI Perfusion Conference June 2019</i> Texas Heart Institute Terry Crane Program Director Houston, Texas | 6/07-08/19 Fri 9.3 | 18.0 CEUs Sat 8.7 |
| | www.texasheart.org/perfconf | |
| <i>2019 Eastern Regional Spring Meeting</i> Canadian Society of Clinical Perfusion (CSCP) St. Andrews New Brunswick, Canada | 6/13-16/19 Thu 2.4 Sat 8.4 | 26.7 CEUs Fri 12.0 Sun 3.9 |
| | https://www.cscp.ca/events/regional-meeting | |
| <i>ASAIO 65th Annual Conference</i> ASAIO San Francisco, California | 6/26-29/19 Wed 11.4 Fri 4.5 | 27.3 CEUs Thu 8.1 Sat 3.3 |
| | www.asaio.com | |
| <i>The New Orleans Conference</i> MediWeb Live, Interactive Webinar (Online Only) | 6/28-30/19 Fri 2.6 Sun | 10.5 CEUs Sat 5.4 2.5 |
| | www.PerfWeb.US | |
| <i>Cannulation Strategies for ECMO Support: A Perfusionist's Perspective</i> AmSECT Live, Interactive Webinar | 7/17/19 Wed 1.2 | 1.2CEUs |
| | http://www.amsect.org/p/cm/ld/fid=1698 | |
| <i>PerfWeb 26: Removing unwanted intravascular material, Goal Directed Therapy and ARDS-VV ECMO</i> MediWeb Live, Interactive Webinar (Online Only) | 7/30-8/1/19 Tue 4.8 Thu 2.6 | 9.8CEUs Wed 2.4 |
| | www.PerfWeb.US | |
| <i>Michigan Perfusion Society Annual Summer Conference</i> Michigan Perfusion Society Midland, Michigan | 8/09-11/19 Fri 8.8 Sun 4.2 | 22.0 CEUs Sat 9.0 |
| <i>Case Reports in the Sun</i> Florida Perfusion Society Hollywood Beach, Florida | 8/15-17/19 Thu 10.0 Sat 9.8 | 31.0 CEUs Fri 11.2 |
| | www.floridaperfusion.org | |

| Meeting Location | Date | CEUs |
|---|-----------------------------------|---------------------------------|
| <i>PerfWeb 27: ECMO, Hemodynamic Monitoring, TAVR/SAVR Updates</i> MediWeb Live, Interactive Webinar (Online Only) www.PerfWeb.US | 8/29-31/19 Thu 1.8 Sat 2.1 | 5.7 CEUs Fri 1.8 |
| <i>Extracorporeal Life Support Organization 2019 Annual Meeting</i> Extracorporeal Life Support Organization Austin, Texas http://www.cvent.com/events/30th-annual-elseo-conference/event-summary-173a2a125b3f485b849c78bfa62d2aa3.aspx | 9/12-15/19 Thu 4.7 Sat 9.8 | 27.4 CEUs Fri 9.7 Sun 3.2 |
| <i>Strategies to Minimize Acute Kidney Injury During Cardiopulmonary Bypass Webinar</i> InvoSurg – Live, Interactive Webinar https://zoom.us/webinar/register/WN_Dn9ACfIJShmaVfaOuDMPOA | 9/18/19 Wed 1.5 | 1.5 CEUs |
| <i>12th Branislav 'Brano' Radovancevic Heart Failure Forum</i> Dr. Igor Gregoric Belgrade, Serbia www.brano-hff.org | 9/18-21/19 Wed 9.7 Fri 9.3 | 31.9 CEUs Thu 9.6 Sat 3.3 |
| <i>PBM: A Central Focus for Patient Safety and Quality Care</i> Society for the Advancement of Blood Management, Inc. Baltimore, Maryland | 9/18-21/19 Wed 10.0 Fri 8.1 | 29.9 CEUs Thu 6.3 Sat 5.5 |
| <i>Augusta University Cardiovascular Symposium</i> Bert Buckman, CCP Savannah, Georgia www.augusta.edu/mcg/surgery/cardiothoracic/perfusino-symposium | 9/19-21/19 Thu 1.5 Sat 8.4 | 20.70 CEUs Fri 10.8 |
| <i>PerfWeb 28: Controversies in Perfusion</i> MediWeb Alexandria, Louisiana (Online Only) Live, Interactive Webinar www.PerfWeb.US | 9/21/19 Sat 6.0 | 6.0 CEUs |
| <i>Circuit Selection and Design for ECMO Support Webinar</i> American Society of ExtraCorporeal Technology (AmSECT) Live, Interactive Webinar http://www.amsect.org/p/cm/ld/fid=1698 | 9/25/19 | 1.2 CEUs Wed 1.2 |
| <i>16th Annual Multidisciplinary Cardiovascular and Thoracic Critical Care Conference</i> The Society of Thoracic Surgeons Baltimore, Maryland | 9/26-28/19 Thu 6.0 Sat 6.6 | 21.8 CEUs Fri 9.7 |

| Meeting Location | Date | CEUs |
|--|--|----------------------------------|
| https://www.sts.org/meetings/calendar-of-events/16th-annual-multidisciplinary-cardiovascular-and-thoracic-critical-care-conference https://www.sts.org/meetings/calendar-of-events/16th-annual-multidisciplinary-cardiovascular-and-thoracic-critical-care-conference | | |
| <i>Ontario Society of Clinical Perfusion (OSCP) Fall 2019</i> Scientific Sessions The Ontario Society of Clinical Perfusion Ingersoll, Ontario, Canada www.oscp.ca | 10/4-5/19 Fri 4.2 Sat 10.5 | 14.7 CEUs. Sat 10.5 |
| <i>Penn/ELSO Symposium on ECMO and Temporary Circulatory Support 2019</i> Penn Medicine Philadelphia, Pennsylvania https://upenn.cloud-cme.com/ecmo2019 | 10/4-6/19 Fri 8.6 Sun 4.2 | 21.2 CEUs Sat 8.4 |
| <i>Pennsylvania State Perfusion Society – Fall Conference 2019</i> Pennsylvania State Perfusion Society Allentown, Pennsylvania https://pennferf.org/meetings/ | 10/4-6/19 Fri 2.0 Sun 5.2 | 15.3 CEUs Sat 8.1 |
| <i>39th Annual Cardiothoracic Surgery Symposium (CREF 2019)</i> The Institute for Medical Studies (IMS) and Aligned Management Associates, INC. San Diego, California https://www/crefmeeting.com | 10/9-13/19 Wed 6.0 Fri 12.6 Sun 3.6 | 44.1 CEUs Thu 9.3 Sat 12.6 |
| <i>8th Annual Joint Conference on Advances in Pediatric Cardiovascular Disease Management</i> New York-Presbyterian/Morgan Stanley Children’s Hospital New York, New York www.ColumbiaSurgeryCME.org | 10/11-13/19 Fri 2.5 Sun 5.2 | 18.2 CEUs Sat 10.5 |
| <i>Nashville Perfusion Conference</i> Chad Smith Nashville, Tennessee www.NashvillePerfusionConference.com | 10/12/19 Sat 9.8 | 9.8 CEUs |
| <i>Autotransfusion in Clinical Practice: Advancing Blood Management Practices in the Whole Hospital Meeting</i> Pfiedler Education Houston, Texas | 10/16/19 Wed 8.7 | 8.7 CEUs |

| Meeting Location | Date | CEUs |
|---|------------------------------------|-----------------------|
| <i>Congenitally Corrected Transposition of the Great Arteries: Management and Outcomes from Infancy to Adulthood -- Annual Advances in Pediatric and Congenital Heart Summit</i> Cleveland Clinic / Cleveland Clinic Children's / Akron Children's Hospital Cleveland, Ohio | 10/17-19/19 Thu 11.6 Sat 4.6 | 25.2 CEUs Fri 9.0 |
| www.ccfme.org/pediatricheart19 | | |
| <i>24th Annual Illinois State Perfusion Society Conference</i> Illinois State Perfusion Society Oak Brook, Illinois | 10/18-19/19 Fri 6.0 | 16.8 CEUs Sat 10.8 |
| www.illinoisperfusion.org | | |
| <i>Harvard/MGH Short Term Mechanical Support Heart and Lung Symposium</i> Mauricio Villavicencio, MD; Massachusetts General Hospital Boston, Massachusetts | 10/18-19/19 Fri 8.2 | 16.1 CEUs Sat 7.9 |
| www.phscpd.org/activites/activity-detail/mghshort-term-mechanical-support-heart-lung-symposium-2019 | | |
| <i>MED Symposium</i> FACET Plano, Texas | 10/19/19 Sat 6.0 | 6.0 CEUs |
| https://thefacet.org/conferences/detail/19 | | |
| <i>Advances in Quality and Outcomes: A Data Managers Meeting</i> The Society of Thoracic Surgeons & Corexcel New Orleans, Louisiana | 10/23-25/19 Wed 10.7 Fri 8.9 | 28.4 CEUs Thu 8.8 |
| https://www.sts.org/meetings/calendar-of-events/advances-quality-outcomes-data-managers-meetings | | |
| <i>21st Annual Update on Perfusion Conference</i> Medical University of South Carolina (MUSC) Charleston, South Carolina | 10/24-26/19 Thu 1.2 Sat 8.7 | 18.0 CEUs Fri 8.1 |
| www.chp.musc.edu/cvpconference | | |
| <i>CSCP National Meeting and Scientific Sessions</i> Canadian Society of Clinical Perfusion Montreal, Quebec, Canada | 10/25-27/19 Fri 9.9 Sun 7.3 | 24.4 CEUs Sat 7.2 |
| www.cscp.ca | | |
| <i>Autologous Blood Therapy Short Course (ABTC)</i> PRFUZN, Inc. Pearl, Mississippi | 10/26-27/19 Sat 12.0 | 18.0 CEUs Sun 6.0 |
| PRFUZN@bellsouth.net | | |
| <i>PerfWeb 29: ECMO Recirculation – VADS Incident Dark Field Imaging</i> | 10/28/19 Mon 2.8 | 2.8 CEUs |

| Meeting Location | Date | CEUs |
|--|--------------------------------------|---------------------------------|
| PerfWeb Alexandria, Louisiana (Online Only) www.PerfWeb.US | | |
| <i>30th Annual Cardiovascular Interventions</i> Promedica International CME La Jolla, California http://www.cvinterventions.com/ | 10/30-11/1/19 Wed 4.8 Fri 11.4 | 27.6 CEUs Thu 11.4 |
| <i>Foundation of ECLS; Skills, Training and Hands-on Management</i> UK Gill Heart and Vascular Institute Lexington, Kentucky https://www.cecentral.com/live/17106 | 11/1-2/19 Fri 10.2 | 18.1 CEUs Sat 7.9 |
| <i>2019 North Carolina Society of Perfusionists Annual Educational Seminar</i> North Carolina Society of Perfusionists Durham, North Carolina https://www.ncsocietyofperfusion.org/conference | 11/1-3/19 Fri 1.2 Sun 7.8 | 19.8 CEUs Sat 10.8 |
| <i>UPMC Procirca Adult ECMO Training Course</i> UPMC Procirca and University of Pittsburgh School of Medicine Center for Continuing Education in the Health Sciences Pittsburgh, Pennsylvania https://procirca.com/perfusion-services/comprehensive-adult-ecmo-training-course/ | 11/6-9/19 Wed 8.1 Fri 8.2 | 29.2 CEUs Thu 7.5 Sat 5.4 |
| <i>New York State Society of Perfusion Annual Perfusion Symposium</i> New York State Society of Perfusionist Plainview, New York | 11/9/19 Sat 10.2 | 10.2 CEUs |
| <i>Controversies & Advances in the Treatment of Cardiovascular Disease, the 19th in the Series</i> Promedica International Beverly Hills, California http://www.controversiesincardiology.com/ | 11/14-15/19 Thu 10.2 | 20.4 CEUs Fri 10.2 |
| <i>2019 ECMO and Mechanical Circulatory Support Symposium</i> Lehigh Valley Health Network Lehigh Valley Health Institute Allentown, Pennsylvania | 11/15-16/19 Fri 3.6 | 12.4 CEUs Sat 8.8 |
| <i>PerfWeb 30: ECMO, AngioVac, & Electrolytes</i> MediWeb Live, Interactive Webinar (Online Only) www.Perfweb.US | 11/23/19 Sat 3.6 | 3.6 CEUs |
| <i>Building a Center of ECMO Excellence: A Demonstration of Interdisciplinary Collaboration</i> | 12/4/19 Wed 1.2 | 1.2 CEUs |

| Meeting Location | Date | CEUs |
|---|---|---------------------------------|
| AmSECT | | |
| | http://www.amsect.org/p/cm/ld/fid=1698 | |
| <i>Mayo Clinic's Current Concepts in Extracorporeal Life Support; Medical Management and High-Fidelity Cannulation Simulations</i> | 12/5-7/19 Thu 9.3 Sat 8.4 | 26.4 CEUs Fri 8.7 |
| Mayo Clinic Jacksonville, Florida | | |
| | https://ce.mayo.edu/adultecmo2019 | |
| <i>PerfWeb 31: Angio Vac, Micro Vascular Scanning, Dealing with Difficult Surgeon: What do Employers Look For: How to Market Yourself</i> | 12/10-13/19 Tue 3.0 Thu 1.8 | 9.3 CEUs Wed 2.7 Fri 1.8 |
| MediWeb Live, Interactive Webinar (Online Only) | | |
| | www.PerfWeb.US | |
| <i>Current Trends in Pediatric Practice</i> | 12/11/19 Wed 1.5 | 1.5 CEUs |
| InvoSurg Live, Interactive Webinar | | |
| <i>UNMC Clinical Perfusion Research Defense</i> | 12/16/19 Mon 3.5 | 3.5 CEUs |
| University of Nebraska Medical Center, Clinical Perfusion Education Omaha, Nebraska | | |
| <u>January 1, 2020</u> | | |
| <i>17th Annual Winter Park Perfusion Conference</i> | 1/12-15/20 Sun 4.8 Tue 7.2 | 26.4 CEUs Mon 7.2 Wed 7.2 |
| Doc Phiroz Winter Park, Colorado | | |
| <i>17th Annual Winter Park Perfusion Webinar</i> | 1/12-15/20 Sun 4.8 Tue 7.2 | 26.4 CEUs Mon 7.2 Wed 7.2 |
| Doc Phiroz Winter Park, Colorado Live, Interactive Webinar | | |
| <i>PerfWeb 32: ARDS/VAPING/VV ECMO</i> | 1/23-24/20 Thu 1.8 | 6.6 CEUs Fri 4.8 |
| MediWeb Alexandria, Louisiana (Online Only) Live, Interactive Webinar | | |
| | www.PerfWeb.us | |
| <i>56th Annual Meeting</i> | 1/25-28/20 Sat 3.6 | 31.5 CEUs Sun 8.4 |
| The Society of Thoracic Surgeons | | |

| Meeting Location | Date | CEUs |
|--|--|-----------------------------------|
| New Orleans, Louisiana https://www.sts.org/meetings/calendar-of-events/sts-56th-annual-meeting | Mon 10.8 Tue 8.7 | |
| <i>Chicagoland Perfusion Foundation Meeting</i> Chicagoland Perfusion Foundation Chicago, Illinois www.chiperfound.org | 2/1/20 Sat 11.6 | 11.6 CEUs |
| <i>41st Annual Seminar of the American Academy of Cardiovascular Perfusion Meeting</i> American Academy of Cardiovascular Perfusion (AACP) Reno, Nevada www.theaacp.com | 2/5-8/20 Wed 3.6 Fri 12.6 | 45.0 CEUs Thu 16.2 Sat 12.6 |
| <i>41st Annual Seminar of the American Academy of Cardiovascular Perfusion (Webinar)</i> American Academy of Cardiovascular Perfusion (AACP) Reno, Nevada (Live, Interactive Webinar) www.theaacp.com | 2/6-8/20 Thu 12.6 Sat 12.6 | 37.8 CEUs Fri 12.6 |
| <i>Nebraska Perfusion Society Annual Meeting 2020</i> Nebraska Perfusion Society Omaha, Nebraska | 2/8/20 Sat 6.6 | 6.6 CEUs |
| <i>23rd Annual Update on Pediatric and Congenital Cardiovascular Disease: Effective Teams, Improving Outcomes</i> Children's Hospital of Philadelphia Orlando, Florida www.chop.cloud-cme.com | 2/12-16/20 Wed 10.5 Fri 6.0 Sun 5.7 | 43.8 CEUs Thu 11.4 Sat 10.2 |
| <i>AATS Mechanical Support for the Heart and Lung Symposium – New Devices and Techniques</i> American Association for Thoracic Surgery Houston, Texas www.aats.org/mechanical | 2/14-15/20 Fri 9.4 | 16.3 CEUs Sat 6.9 |
| <i>PerfWeb 33: Stories from Traveling Perfusion, Evidence of Pulsing, Microcirculatory Flow</i> MediWeb Alexandria, Louisiana (Online Only) Live, Interactive Webinar www.PerfWeb.us | 2/20-21/20 Thu 1.8 | 6.0 CEUs Fri 4.2 |
| <i>36th Children's National Symposium: ECMO and the Advanced Therapies for Cardiac and respiratory Failure</i> Children's National Hospital and George Washington School of Medicine Washington, D.C. www.ecmomeeting.com | 2/23-27/20 Sun 7.0 Tue 6.6 Thu 3.0 | 28.0 CEUs Mon 6.6 Wed 4.8 |

| Meeting Location | Date | CEUs |
|--|----------------------------------|----------------------------------|
| <i>Congenital Cardiac Anesthesia Society (CCAS)</i> 2020 Annual Meeting Society for Pediatric Anesthesia/Congenital Cardiac Anesthesia Society The Bahamas http://www3.ccasociety.org/meetings/2020winter/guide/program/index.iphtml | 2/27/20 Thu 12.0 | 12.0 CEUs |
| <i>The Houston Aortic Symposium: Frontiers in Cardiovascular Disease – The Thirteenth in the Series</i> Promedica International CME Houston, Texas http://www.houstonaorticsymposium.com/ | 3/5-7/20 Thu 7.72 Sat 2.86 | 18.54 CEUs Fri 7.96 |
| <i>Houston Annual Shock Symposium</i> UTHealth Houston, Texas https://med.uth.edu/cahf/houston-shock-symposium/ | 3/6-8/20 Fri 13.4 Sun 6.3 | 28.1 CEUs Sat 8.4 |
| <i>58th International Conference and Webinar</i> AmSECT (American Society of Extracorporeal Technology) Saint Louis, Missouri http://amsect.org/p/cm/fid=1678 | 3/6-9/20 Fri 8.4 Sun 9.3 | 31.7 CEUs Sat 10.1 Mon 3.9 |
| <i>PerfWeb 34 – Women in Perfusion</i> MediWeb Live, Interactive Webinar (Online Only) www.PerfWeb.us | 3/12-14/20 Thu 2.0 Sat 5.0 | 10.0 CEUs Fri 3.0 |
| <i>Wisconsin Perfusion Society 27th Annual Spring Conference</i> Wisconsin Perfusion Society Madison, Wisconsin www.wisperfusion.org/meeting | 3/20-22/20 Fri 5.4 Sun 5.4 | 20.7 CEUs Sat 9.9 |
| <i>2nd Annual Shock Symposium: Who, What, Where, When and How...</i> Hartford Hospital Rocky Hill, Connecticut | 3/26/20 Thu 8.6 | 8.6 CEUs |
| <i>2019 European Adult Cardiopulmonary Bypass Guidelines</i> InvoSurg Live, Interactive Webinar (Online Only) www.invosurg.com | 4/8/20 Wed 1.5 | 1.5 CEUs |
| <i>COVID-19 Joint Perfusion Task Force Webinar</i> AmSECT, AACCP, ABCP task force Live, Interactive Webinar (Online Only) https://smithbucklin.zoom.us/webinar/register/WN_HUc8ENPhQGm1Ea-YoF69SQ | 4/9/20 Thu 1.2 | 1.2 CEUs |

| Meeting Location | Date | CEUs |
|--|--|----------------------------------|
| 2019 European Adult Cardiopulmonary Bypass Guidelines InvoSurg Live, Interactive Webinar (Online Only) www.invosurg.com | 4/15/20 Wed 1.5 | 1.5 CEUs |
| COVID-19 Joint Perfusion Task Force Webinar AmSECT, AACP, ABCP task force Live, Interactive Webinar (Online Only) https://smithbucklin.zoom.us/webinar/register/WN_HUc8ENPhQGm1Ea-YoF69SQ | 4/16/20 Thu 1.2 | 1.2 CEUs |
| Sanibel Symposium General Sessions Perfusion.com, Inc. Fort Myers, Florida http://www.perfusion.com/symposium/ | 4/22-25/20 Wed 12.5 Fri 9.5 | 42.0 CEUs Thu 11.1 Sat 8.9 |
| PerfWeb 35 MediWeb Live, Interactive Webinar (Online Only) https://mediweb.us | 4/23-25/20 Thu 2.4 Sat 4.5 | 8.7 CEUs Fri 1.8 |
| Corona 30 MediWeb Live, Interactive Webinar (Online Only) www.PerfWeb.us | 4/27-5/1/20 Mon 2.4 Wed 2.4 Fri 0.6 | 10.0 CEUs Tue 2.4 Thu 2.4 |
| COVID-19 Joint Perfusion Task Force Webinar AmSECT, AACP, ABCP task force Live, Interactive Webinar (Online Only) https://smithbucklin.zoom.us/webinar/register/WN_HUc8ENPhQGm1Ea-YoF69SQ | 4/30/20 Thu 1.5 | 1.5 CEUs |
| 2020 Mid-Atlantic VAD and ECMO Symposium (MAVES) Maryland State Perfusion Society Baltimore, Maryland https://mdperfusion.com/events/ | 5/03/20 Sun 10.0 | 10.0 CEUs |
| Corona 30 MediWeb Live, Interactive Webinar (Online Only) www.PerfWeb.us | 5/04-08/20 Mon 1.2 Wed 2.4 Fri 2.8 | 10.0 CEUs Tue 1.2 Thu 2.4 |
| 9 th EuroELSO Congress EuroELSO Congress London, England www.euroelso-congress.com | 5/06-08/20 Wed 9.6 Fri 8.4 | 25.2 CEUs Thu 7.2 |

| Meeting Location | Date | CEUs |
|--|---|---------------------------------|
| <i>Clinical Perfusion Research Defense</i> University of Nebraska Medical Center, Clinical Perfusion Education Omaha, Nebraska (Online Only) https://global.gotomeeting.com/join/191423385 | 5/07/20 Thu 2.8 | 2.8 CEUs |
| <i>Corona 30</i> MediWeb Live, Interactive Webinar (Online Only) www.PerfWeb.us | 5/11-15/20 Mon 1.2 Wed 1.2 Fri 1.0 | 10.0 CEUs Tue 2.4 Thu 4.2 |
| <i>16th International Conference on Pediatric Mechanical Circulatory Support Systems and Pediatric Cardiopulmonary Perfusion</i> Cincinnati Children's Hospital Cincinnati, Ohio https://cchmc.cloud-cme.com/default.aspx?P=0&EID=29654 | 5/13-15/20 Wed 4.8 Fri 7.2 | 21.1 CEUs Thu 9.1 |
| <i>Covid-19 Joint Perfusion Task Force Webinar</i> Amsect, AACP, ABCP task force Live, Interactive Webinar (Online Only) https://smithbucklin.zoom.us/webinar/register/WN_HUc8ENPhQGm1Ea-YoF69SQ | 5/14/20 Thu 1.5 | 1.5 CEUs |
| <i>Covid-19 Joint Perfusion Task Force Webinar</i> Amsect, AACP, ABCP task force Live, Interactive Webinar (Online Only) www.jointperfusiontaskforce.org | 5/28/20 Thu 1.7 | 1.7 CEUs |
| <i>ECMO for Patients With COVID-19: Challenges, Successes, and Lessons Learned</i> SpecialtyCare Live, Interactive Webinar (Online Only) https://zoom.us/webinar/register/WN_OxLTnsqjR-eDqkCSzpCiA | 6/04/20 Thu 1.2 | 1.2 CEUs |
| <i>THI Perfusion Conference June 2020</i> Texas Heart Institution Live, Interactive Webinar (Online Only) www.texasheart.org | 6/5-6/20 Fri 9.3 | 16.2 CEUs Sat 6.9 |
| <i>Getting Back on Bypass: What to Expect in the Era of COVID</i> SpecialtyCare Live, Interactive Webinar (Online Only) http://learn.specialtycareus.com?COVID-Back-on-bypass.html | 6/25//20 Thu 1.2 | 1.2 CEUs |
| <i>PerfWeb 36: The New Orleans Conferecne</i> | 6/11,13/20 | 7.8 CEUs |

| Meeting Location | Date | CEUs |
|---|----------------------------------|----------------------|
| MediWeb Live, Interactive Webinar (Online Only) www.PerfWeb.us | Thu 3.0 | Sat 4.8 |
| <i>PerfWeb 37</i> MediWeb Live, Interactive Webinar (Online Only) www.PerfWeb.us | 7/13/20 Mon 1.3 | 1.3 CEUs |
| <i>PerfWeb 38</i> MediWeb Live, Interaction Webinar (Online Only) www.PerfWeb.us | 7/30-31/20 Thu 2.7 | 6.3 CEUs Fri 3.6 |
| <i>Perfweb 39</i> MediWeb Live, Interactive Webinar (Online Only) www.perfusioneducation.com | 8/10/20 Mon 2.5 | 2.5 CEUs |
| <i>Myocardial Protection Strategies and Resulting Posy Bypass Hemostasis</i> Essential Pharmaceuticles Live, Interactive Webinar (Online Only) | 8/12/20 Wed 3.3 | 3.3 CEUs |
| <i>AAMI Standards, IFUs, and Clinical Testing of Oxygenators: What's it all about?</i> SpecialtyCare Live, Interactive Webinar (Online Only) http://learn.specialtycareus.com/AAMI-Standards-Webinar-Aug-19-20.html | 8/19/20 Wed 1.2 | 1.2 CEUs |
| <i>Perfweb 40</i> MediWeb Live, Interactive Webinar (Online Only) www.perfusioneducation.com | 8/20/20 Thu 3.7 | 3.7 CEUs |
| <i>SABM 2020 Virtual Annual Meeting</i> Postgraduate Institute for Medicine Live, Interactive Webinar (Online Only) www.sabm.org | 9/10-12/20 Thu 6.6 Sat 4.2 | 18.6 CEUS Fri 7.8 |
| <i>PerfWeb 43: Pro and Con of Proning ECMO Patients</i> MediWeb Live, Interactive Webinar (Online Only) www.PerfWeb.us | 9/12/20 Sat 3.6 | 3.6 CEUs |
| <i>Perfweb 41</i> MediWeb | 9/14/20 Mon 1.3 | 1.3 CEUs |

| Meeting Location | Date | CEUs |
|--|----------------------------|---|
| Live, Interactive Webinar (Online Only) www.perfusioneducation.com | | |
| <i>What's All This About P-Values? Anatomy of the Statistical Debate</i> on P-Values and Implications for Medical Researchers SpecialtyCare Perfusion Services Line Continuing Education Live, Interactive Webinar (Online Only) http://learn.specialtycareus.com/pvalues-statistical-debate-webinar.html | 9/15/20 Tue | 1.2 CEUs 1.2 |
| <i>Perfweb 42</i> MediWeb Live, Interactive Webinar (Online Only) www.perfusioneducation.com | 9/24/20 Thu | 1.3 CEUs 1.3 |
| <i>17th Annual Perioperative and Critical Care Conference</i> The Society of Thoracic Surgeons & Corexcel Live, Interactive Webinar https://sts.org/meetings/calendar-of-events/sts-17th-annual-perioperative-and-critical-care-conference | 9/24-26/20 Thu Sat | 16.5 CEUs 5.1 5.7 Fri 5.7 |
| <i>Pennsylvania State Perfusion Society-Fall Confernce 2020</i> Pennsylvania State Perfusion Society Live, Interactive Webinar | 9/26/20 Sat | 10.2 CEUs 10.2 |
| <i>Quality and Outcomes: A Data Managers Meeting</i> The Society of Thoracic Surgeons & Corexcel Live, Interactive Webinar (Online Only) https://sts.org/meetings/calendar-of-events/advances-quality-outcomes-data-managers-meeting-0 | 9/29-10/2/20 Tue Thu | 21.0 CEUs 5.0 5.4 Wed 5.7 Fri 4.9 |
| <i>31st Annual ELSO Conference 2020</i> Extracorporeal Life Support Organization Live, Interactive Webinar (Online Only) https://attendesource.com/profile/web/index.cfm?PKwebID=0x5113055a9&varPage=home | 9/25-26/20 Fri | 20.4 CEUs 11.4 Sat 9.0 |
| <i>25th Annual Illinois State Perfusion Society Conference Webinar</i> Illinois State Perfusion Society Live, Interactive Webinar (Online Only) www.illinoisperfusion.org | 10/03/20 Sat | 6.6 CEUs 6.6 |
| <i>PerfWeb 44: Obesity: A Critical Risk Factor in the COVID-19 Pandemic</i> MediWeb Live, Interactive Webinar (Online Only) www.PerfusionEducation.com | 10/05/20 Mon | 1.3 CEUs 1.3 |
| <i>COVID-19 Joint Perfusion Task Force Webinar</i> Joint Perfusion COVID-19 Task Force Live, Interactive Webinar | 10/08/20 Thu | 1.8 CEUs 1.8 |

| Meeting Location | Date | CEUs |
|--|-----------------------------------|-----------------------|
| www.jointperfusiontaskforce.org | | |
| <i>To Transfuse or Not to Transfuse: Tales of the Trails</i> SpecialtyCare Live, Interactive Webinar (Online Only) http://learn.Specialtycareus.com/To-Transfuse-or-Not-to-Transfuse.html | 10/14/20 | 1.2 CEUs |
| <i>11th Annual Neonatal and Pediatric ECLS Education Conference</i> UPMC Children's Hospital of Pittsburgh Pittsburgh, Pennsylvania https://www.chp.edu/health-care-professionals/cme/other-cme/neonatal-pediatric-ecls-educational-confernece | 10/14-16/20 Wed 7.3 Fri 5.4 | 19.9 CEUs Thu 7.2 |
| <i>ECLS Team Symposium: Advancing ECLS in Our Region and Beyond</i> University of Nebraska Medical Center (UNMC) Omaha, Nebraska www.unmc.edu/cce/catalog/clinicmed/ecls2020/index.html | 10/16-17/20 Fri 7.5 | 12.6 CEUs Sat 5.1 |
| <i>The Unpartitioned Atrioventricular Connection: From Simple to Complex 5th Annual Advances in Congenital Heart Disease</i> Cleveland Clinic Live, Interactive Webinar (Online Only) http://www.levelandclinicmeded.com/live/courses/pediatricheart/ | 10/16-17/20 Fri 3.90 | 9.63 CEUs Sat 6.06 |
| <i>PerfWeb 45: Treatment of Cardiogenic Shock in Peripartum Cardiomyopathy</i> MediWeb Live, Interactive Webinar (Online Only) www.PerfusionEducation.com | 10/22/20 Thu 1.3 | 1.3 CEUs |
| <i>Short Term Mechanical Support Heart and Lung Symposium 2020</i> Mauricio Villavicencio, M.D. Live, Interactive Webinar (Online Only) https://cpd.partners.org/content/mgh-short-term-mechanical-support-heartlung-symposium-2020#group-tabs-node-course-default1 | 10/23-24/20 Fri 6.9 | 13.7 CEUs Sat 6.8 |
| <i>22nd Annual Update on Perfusion Confernce</i> Medical University of South Carolina Live, Interactive Webinar (Online Only) www.chp.musc.edu/cvpconference | 10/23-24/20 Fri 7.8 | 15.6 CEUs Sat 7.8 |
| <i>ABTC-SC Inter-Active On-line Class</i> PRFUZN, Inc. Live, Interactive Webinar (Online Only) PRFUZN@bellsouth.net | 11/01/20 Sat 10.2 | 10.2 CEUs |
| <i>PerfWeb 46: Postcardiotomy Extracorporeal Membrane Oxygenator</i> MediWeb | 11/02/20 Mon 1.3 | 1.3 CEUs |

| Meeting Location | Date | CEUs |
|--|------------------------------------|-----------------------|
| Live, Interactive Webinar (Online Only) www.PerfusionEducation.com | | |
| <i>North Carolina Society of Perfusionists 2020 Annual Educational Seminar Webinar</i> North Carolina Society of Perfusion Live, Interactive Webinar (Online Only) www.ncsocietyofperfusion.org | 11/07/20 Sat 10.8 | 16.8 CEUs Sun 6.0 |
| <i>31st Annual Cardiovascular Interventions</i> Promedica International CME La Jolla, California https://www.cvinterventions.com/ | 11/11-13/20 Wed 4.8 Fri 11.4 | 27.6 CEUs Thu 11.4 |
| <i>PerfWeb 48: Perfusion Systems & X-Rays</i> MediWeb Live, Interactive Webinar (Online Only) www.PerfusionEducation.com | 11/14/20 Sat 3.6 | 3.6 CEUs |
| <i>PerfWeb47: ARS-CoV-2, COVID-19 Pandemic, Corona War</i> MediWeb Live, Interactive Webinar (Online Only) www.PerfusionEducation.com | 11/19/20 Thu 1.3 | 1.3 CEUs |
| <i>Management of Coagulation and Bleeding in the Surgical Patient Using ROTEM Delta</i> Columbus Perfusion Journal Club Columbus, Ohio zenonguardia@gmail.com | 12/07/20 Mon 1.8 | 1.8 CEUs |
| <i>PerfWeb 49: Veno-Venous ECMO for Respiratory Failure: How long is too long?</i> MediWeb Live, Interactive Webinar (Online Only) www.PerfusionEducation.com | 12/07/20 Mon 1.3 | 1.3 CEUs |
| <i>Clinical Perfusion Research Defense</i> University of Nebraska Medical Center, Clinical Perfusion Education Omaha, Nebraska dwholt@unmc.edu | 12/14/20 Mon 2.8 | 2.8 CEUs |
| <i>PerfWeb 50: Long-Term Survival, Posttraumatic Stress, and Quality of Life Post ECMO</i> MediWeb Live, Interactive Webinar (Online Only) | 12/18/20 Fri 1.3 | 1.3 CEUs |

Meeting Location**Date****CEUs**www.PerfusionEducation.com**January 1, 2021**

Journal Club, PerfWeb, Knowledge Nuggets 1/28/21 2.2 CEUs
 MediWeb Thu 2.2
 Live, Interactive Webinar (Online Only)

www.PerfusionEducation.com

High-Pressure Excursion: Case Report, Literature Review, and Mitigations 2/04/21 1.2 CEUS
 Terumo Cardiovascular Thu 1.2
 Live, Interactive Webinar (Online Only)

<https://app.livestorm.co/terumo-cardiovascular/high-pressure-excursion?type=detailed>

42nd Annual Seminar of the American Academy of Caridovascular Perfusion Virtual Meeting 2/06-13/21 31.2 CEUs
 The American Academy of Cardiovascular Perfusion Sat 9.6 Tue 6.0
 Live, Interactive Webinar (Online Only) Thu 6.0 Sat 9.6

www.theaacp.com

On-line Perfusion Incident Reporting-A Tool for Perfusion Safety Specialty Care 2/10/21 1.2 CEUs
 Wed 1.2
 Live, Interactive Webinar (Online Only)

https://learn.specialtycareus.com/online_perfusion_incident_reporting.html

PerfWeb 52: Tammy Sparacino, Journal Club: John Ingram, Knowledge Nuggets 2/10/21 2.2 CEUs
 MediWeb Mon 2.2
 Live, Interactive Webinar (Online Only)

www.PerfusionEducation.com

24th Annual Update on Pediatric and Congenital Cardiovascular Disease 2/11-12/21 30.6 CEUs
 Children's Hospital of Philadelphia Thu 2.4 Fri 9.6
 Live, Interactive Webinar (Online Only) Sat 9.0 Sun 9.6

www.chop.edu/cardiology2021

Nebraska Perfusion Society Annual Meeting 2/13/21 7.2 CEUs
 Nebraska Perfusion Society Sat 7.2
 University of Nebraska Medical Center, Omaha, NE

www.ssanderson@nebraskamed.com

37th Annual Children's National Symposium- 1st Virtual Conference: ECMO & the Advanced Therapies for Cardiac & Respiratory Failure 2/21-23/-21 15.6 CEUs
 Children's National Hospital Sun 2.40 Mon 6.6

| Meeting Location | Date | CEUs |
|---|----------------------------------|-----------|
| Live; Interactive Webinar (Online Only) https://childrensnational.org/research-and-education/healthcare-education/continuing-education-and-conferences/conferences-and-other-opportunities/ecmo-meeting | Tues 6.6 | |
| VV ECMO Strategies for COVID-19, A Single Center Experience Joint Perfusion COVID-19 Task Force Live; Interactive Webinar (Online Only) www.jointperfusiontaskforce.org | 2/24/21 Wed 1.4 | 1.4 CEUs |
| PerfWeb 53: Tammy Sparacino, Journal Club: John Ingram, Knowledge Nuggets MediWeb Live, Interactive Webinar (Online Only) https://library.perfusioneducation.com/video/commentary-myocardial-protection-is-a-process-not-an-event-antifibrinolytics | 2/25/21 Tue 2.2 | 2.2 CEUs |
| Massachusetts Society of Perfusion Webinar 1.0 Massachusetts Society of Perfusion Live, Interactive Webinar (Online Only) https://www.massperfusion.com/ | 3/02/21 Tue 3.6 | 3.6 CEUs |
| Single Center Case Study: ECMO on COVID-19 Patients with The Use of Cytosorb at WVU Invosurg Live, Interactive Webinar (Online Only) | 3/03/21 Wed 1.5 | 1.5 CEUs |
| Nemours 2021 ECMO Conference Nemours Children's Hospital Live, Interactive Webinar (Online Only) http://cmetracker.net/NEMOURS/Publisher?page=pubOpen#/EventID/63942/ | 3/05/21 Fri 6.3 | 6.3 CEUs |
| End-Stage Heart and Lung Disease in the Era of COVID-19 University of Alabama at Birmingham Live, Interactive Webinar (Online Only) | 3/05/21 Fri 4.7 | 4.7 CEUs |
| Optimizing Outcomes through Global Collaboration ERAS- Enhanced Recovery After Cardiac Surgery Society Live, Interactive Webinar (Online Only) https://erasvirtual2021.com/ | 3/05-06/21 Fri 8.4 Sat 7.2 | 15.6 CEUs |
| Lessons Learned from 325 ECMO Cases with COVID-19: How Does Management Compare with Non-COVID-19 ECMO Procedures Specialty Care Live, Interactive Webinar (Online Only) https://learn.specialtycareus.com/ECMO-COVID19-Lessons-Learned.html | 3/10/21 Tue 1.2 | 1.2 CEUs |
| PerfWeb 54: Tammy Sparacino, Journal Club: John Ingram, | 3/10/21 | 2.2 CEUs |

| Meeting Location | Date | CEUs |
|---|--------------------------|--|
| <i>Knowledge Nuggets</i> MediWeb Live, Interactive Webinar (Online Only) https://library.perfusioneducation.com/video/extracorporeal-membrane-oxygenation-cannulation-for-postcardiotomy-shock | Wed | 2.2 |
| <i>ELSO Virtual Neo/Peds ECMO Training Course</i> Extracorporeal Life Support Organization Live, Interactive Webinar (Online Only) https://www.elseo.org/Education/2021MarchNeoPedsCourse.aspx | 3/11-12/21 Thu | 14.4 CEUs 6.6 Fri 7.8 |
| <i>Congenital Cardiac Anesthesia Society (CCAS) 2021 Virtual Annual Meeting</i> Society for Pediatric Anesthesia; Congenital Cardiac Anesthesia Society Live, Interactive Webinar (Online Only) http://www3.ccasociety.org/meetings/2021winter/guide | 3/20-21/21 Sat | 12.2 CEUs 6.9 Sun 5.3 |
| <i>PerfWeb 55: Tammy Sparacino, Journal Club: John Ingram, Knowledge Nuggets</i> MediWeb Live, Interactive Webinar (Online Only) https://library.perfusioneducation.com/video/fluid-management-of-the-ecmo-patient-extracorporeal-membrane-oxygenation | 3/25/21 Thu | 2.2 CEUs 2.2 |
| <i>Biocompatibility and Suction Separation to Minimize the Impact of Inflammatory Response</i> SpecialtyCare Live, Interactive Webinar (Online Only) https://learn.specialtycareus.com/Biocompatibility_MiECC_webinar.html | 4/07/21 Wed | 1.2 CEUs 1.2 |
| <i>Vanderbilt University Medical Center: Faculty Forum</i> MediWeb.us Live, Interactive Webinar (Online Only) www.PerfWeb.us | 4/07/21 Wed | 1.2 CEUs 1.2 |
| <i>PerfWeb 56: Tammy Sparacino, Journal Club: John Ingram, Knowledge Nuggets</i> MediWeb Live, Interactive Webinar (Online Only) https://library.perfusioneducation.com/video/preparing-for-acute-aortic-emergencies-and-the-next-wave-of-pandemic | 4/07/21 Wed | 2.2 CEUs 2.2 |
| <i>Sanibel Symposium General Sessions</i> Perfusion.com, Inc. Live, Interactive Webinar (Online Only) | 4/14-17/21 Wed Fri | 42.5 CEUs 12.0 Thu 11.9 11.9 Sat 6.7 |

| Meeting Location | Date | CEUs |
|---|------------|-----------|
| http://www.perfusion.com/symposium | | |
| <i>PerfWeb 57: Spring Conference</i> | 4/14-17/21 | 26.1 CEUs |
| MediWeb | Wed 5.4 | Thu 4.8 |
| Live, Interactive Webinar (Online Only) | Fri 7.8 | Sat 8.1 |
| https://library.perfusioneducation.com/ | | |
| <i>2-Day Virtual Extracorporeal Life Support in Adult Critical Care-Adult ECMO Management</i> | 4/15-16/21 | 14.4 CEUs |
| Extracorporeal Life Support Organization | Thu 7.2 | Thu 7.2 |
| Live; Interactive Webinar (Online Only) | | |
| <i>PerfWeb 58: Tammy Sparacino, Journal Club: John Ingram, Knowledge Nuggets</i> | 4/22/21 | 2.2 CEUs |
| MediWeb | Thu 2.2 | |
| Live, Interactive Webinar (Online Only) | | |
| https://library.perfusioneducation.com/video/heparin-free-vv-ecmo-veno-venous-extracorporeal-membrane-oxygenation-in-a-multiple-trauma-patient | | |
| <i>ABTC SC Inter-Active On-line Class</i> | 04/24/21 | 10.2 CEUs |
| PRFUZN, Inc. | Sat 10.2 | |
| Live, Interactive Webinar (Online Only) | | |
| prfuzn@bellsouth.net | | |
| <i>2021 Mid-Atlantic VAD and ECMO Symposium (MAVES)</i> | 04/24/21 | 10.0 CEUs |
| Maryland State Perfusion Society | Sat 10.0 | |
| Live, Interactive Webinar (Online Only) | | |
| www.mdperfusion.com/events/ | | |
| <i>AmSECT 59th International Convergence- A Virtual Experience</i> | 5/01-05/21 | 25.5 CEUs |
| American Society of ExtraCorporeal Technology | Sat 5.4 | Sun 5.4 |
| Live, Interactive Webinar (Online Only) | Mon 4.2 | Tue 5.7 |
| | Wed 4.8 | |
| https://www.amsect.org/p/cm/ld/fid=1740 | | |
| <i>Clinical Perfusion Spring Research Defense</i> | 05/05/21 | 2.1 CEUs |
| University of Nebraska Medical Center, Clinical Perfusion Education | Wed 2.1 | |
| Live, Interactive Webinar (Online Only) | | |
| https://www.unmc.edu/alliedhealth/education/cpe/index.html | | |
| <i>PerfWeb 59: Ventricular Assist Devices (VAD). Extracorporeal Oxygenation and Coronavirus Disease</i> | 05/05/21 | 3.4 CEUs |
| PerfWeb | Wed 3.4 | |
| Live; Interactive Webinar (Online Only) | | |
| https://library.perfusioneducation.com/video/ventricular-assist-devices-vad-extracorporeal-oxygenation-and-coronavirus-disease-surfactant | | |

| Meeting Location | Date | CEUs |
|---|-------------|-----------|
| <i>EuroELSO Virtual Congress</i> | 5/05-07/21 | 12.0 CEUs |
| EuroELSO Congress | Wed 3.9 | Thu 3.9 |
| Live, Interactive Webinar (Online Only) | Fri 4.2 | |
| https://www.euroelso-congress.com/ | | |
| <i>Massachusetts Society of Perfusion Webinar 2.0</i> | 5/11/21 | 3.6 CEUs |
| Massachusetts Society of Perfusion | Tuesday 3.6 | |
| Live; Interactive Webinar (Online Only) | | |
| www.massperfusion.com | | |
| <i>Your Job is Simple: Improve the Quality of Cardiovascular Surgery- My Takeaways En Route to Successful Quality Initiatives</i> | 05/12/21 | 1.2 CEUs |
| SpecialtyCare | Wed 1.2 | |
| Live, Interactive Webinar (Online Only) | | |
| https://learn.specialtycareus.com/perfusion_improve_cv_surgery_webinar.html | | |
| <i>Pennsylvania State Perfusion Society-Spring Conference 2021</i> | 05/15/21 | 10.5 CEUs |
| Pennsylvania State Perfusion Society | Sat 10.5 | |
| Live, Interactive Webinar (Online Only) | | |
| <i>ELSO Registry Review: The Evolution of ECMO use in COVID-19</i> | 05/19/21 | 1.7 CEUs |
| Joint Perfusion COVID-19 Task Force | Wed 1.7 | |
| Live, Interactive Webinar (Online Only) | | |
| www.jointperfusiontaskforce.org | | |
| <i>PerfWeb 60: Validating "RESP" and "PRESERVE" A Single Practice ECMO for Covid-19 Experience</i> | 05/20/21 | 2.4 CEUs |
| PerfWeb | Thu 2.4 | |
| Live, Interactive Webinar (Online Only) | | |
| https://library.perfusioneducation.com/video/validating-resp-and-preserve-a-single-practice-ecmo-for-covid-19-experience | | |
| <i>PerfWeb 61: ECMO Platform Overview. Acute Hypoxemic Respiratory Failure. Atrial Septal Defects</i> | 06/02/21 | 3.4 CEUs |
| PerfWeb | Wed 3.4 | |
| Live, Interactive Webinar (Online Only) | | |
| https://library.perfusioneducation.com/video/ecmo-platform-overview-acute-hypoxemic-respiratory-failure-atrial-septal-defects | | |
| <i>THI Perfusion Conference June 2021</i> | 06/04-05/21 | 15.0 CEUs |
| Texas Heart Institute, School of Perfusion Technology | Fri 8.4 | Sat 6.6 |
| Live, Interactive Webinar (Online Only) | | |
| www.texasheart.org | | |
| <i>The Use of Robotic Techniques for Cardiac Surgery</i> | 06/09/21 | 1.2 CEUs |
| Specialty Care | Wed 1.2 | |

| Meeting Location | Date | CEUs |
|--|---|-----------|
| Live, Interactive Webinar (Online Only) https://specialtycare-net.zoom.us/webinar/register/WN_J6soaT61Q3qjUku_s4gH_Q | | |
| <i>2021 ASAIO Virtual Meeting</i> American Society for Artificial Internal Organ (ASAIO) Live, Interactive Webinar (Online Only) https://asaio.org/conference/ | 06/10-12/21 Thu 5.8 Fri 6.3 Sat 2.4 | 14.5 CEUs |
| <i>CHLA 2021 ECMO Conference</i> Children's Hospital Los Angeles Live, Interactive Webinar (Online Only) https://www.eeds.com/portal_live_events.aspx?ConferenceID=562040 | 06/11-12/21 Fri 7.5 Sat 9.0 | 16.5 CEUs |
| <i>Goal Directed Perfusion: Techniques for Reducing AKI and Post-Operative Delirium</i> Terumo Cardiovascular Live, Interactive Webinar (Online Only) https://app.livestorm.co/terumo-evh/goal-directed-perfusion-techniques-for-reducing-aki-and-post-operative-delirium?type=detailed | 06/16/21 Wed 1.8 | 1.8 CEUs |
| <i>PerfWeb 62: Predicting V-A ECMO Survival with Save PerfWeb</i> Live, Interactive Webinar (Online Only) www.PerfWeb.us | 06/17/21 Thu 2.4 | 2.4 CEUs |
| <i>27th Annual Wisconsin Perfusion Society Spring Virtual Educational Meeting</i> Wisconsin Perfusion Society Live, Interactive Webinar (Online Only) www.wisperfusion.org | 06/26/21 Sat 12.6 | 12.6 CEUs |
| <i>Virtual 4th MiECT Symposium</i> Medtronic, Inc. Live, Interactive Webinar (Online Only) www.livemedia.com/4miect | 06/26/21 Sat 3.7 | 3.7 CEUs |
| <i>PerfWeb 63</i> PerfWeb Live, Interactive Webinar (Online Only) www.PerfWeb.us | 07/07/21 Wed 3.4 | 3.4 CEUs |
| <i>The Novick Cardiac Alliance: Creating Pediatric Cardiac Services in Low and Middle-Income Countries</i> American Society of ExtraCorporeal Technology | 07/15/21 Thu 1.1 | 1.1 CEUs |

| Meeting Location | Date | CEUs |
|--|--------------|-----------|
| Live, Interactive Webinar (Online Only) www.amsect.org/page/perfusion-without-borders | | |
| <i>PerfWeb 64</i> | 07/22/21 | 2.4 CEUs |
| PerfWeb | Thu 2.4 | |
| Live, Interactive Webinar (Online Only) www.PerfWeb.us | | |
| <i>Massachusetts Society of Perfusion Webinar 3.0</i> | 07/31/21 | 4.8 CEUs |
| Massachusetts Society of Perfusion | Sat 4.8 | |
| Live, Interactive Webinar (Online Only) https://www.massperfusion.com/meetingregistration | | |
| <i>Carolina Perfusion Symposium</i> | 07/30-8/1/21 | 15.2 CEUs |
| Perfusion Life and the Palmetto State Perfusion Society (PSPS) | Fri 1.8 | Sat 9.2 |
| Myrtle Beach, South Carolina | Sun 4.2 | |
| https://www.carolinaperfusionsymposium.com/ | | |
| <i>PerfWeb 65</i> | 08/04/21 | 3.4 CEUs |
| PerfWeb | | |
| Live, Interactive Webinar (Online Only) www.PerfWeb.us | Wed 3.4 | |
| <i>Cardiac Surgery During the ERA of COVID-19</i> | 08/08/21 | 1.2 CEUs |
| SpecialtyCare | Wed 1.2 | |
| Live, Interactive Webinar (Online Only) https://learn.specialtycareus.com/perfusion_improve_cv_surgery_webinar.html | | |
| <i>Controversies in Ultrafiltration</i> | 08/08/21 | 1.2 CEUs |
| SpecialtyCare | Wed 1.2 | |
| Live, interactive Webinar (Online Only) https://learn.specialtycareus.com/perfusion_improve_cv_surgery_webinar.html | | |
| <i>PerfWeb 66</i> | 08/18/21 | 2.4 CEUs |
| MediWeb | Wed 2.4 | |
| Live, Interactive Webinar (Online Only) www.PerfWeb.US | | |
| <i>SABM 2021 Virtual Annual Meeting</i> | 08/23-25/21 | 17.5 CEUs |
| Society for the Advancement of Blood Management | Thu 5.0 | Fri 8.1 |
| Live, Interactive Webinar (Online Only) https://sabm.org/ | Sat 4.4 | |
| <i>40th Annual Cardiothoracic Surgery Symposium (CREF 2021)</i> | 08/22-26/21 | 42.8 CEUs |

| Meeting Location | Date | CEUs |
|---|-----------------------------------|-----------------------|
| The Institute for Medical Studies (IMS) and Aligned Management Associates, Inc. San Luis Obispo, CA | Wed 6.9 Fri 10.5 Sun 4.8 | Thu 9.9 Sat 10.7 |
| https://www.crefmeeting.com | | |
| <i>16th International Conference on Pediatric Mechanical Circulatory Support System and Pediatric Cardiopulmonary Perfusion</i> Cincinnati Children's Cincinnati, Ohio | 08/26-27/21 Thu 7.4 | 12.6 CEUs Fri 12.6 |
| https://cchmc.cloud-cme.com/course/courseoverview?P=5&EID=35350 | | |
| <i>PerfWeb 67</i> MediWeb Live Interactive Webinar (Online Only) | 09/01/21 Wed 3.4 | 3.4 CEUs |
| www.PerfWeb.US | | |
| <i>18th Annual Perioperative and Critical Care Conference</i> The Society of Thoracic Surgeons & Corexcel Live, Interactive Webinar (Online Only) | 09/10-11/21 Fri 8.2 | 13.7 CEUs Sat 5.5 |
| https://www.sts.org/meetings/calendar-of-events/18th-annual-perioperative-and-critical-care-conference | | |
| <i>Advantages of Near Infrared Spectroscopy (NIRS) in Cardiac Surgery and ECMO Therapy</i> Terumo Cardiovascular Live, Interactive Webinar (Online Only) | 09/14/21 Tue 1.2 | 1.2 CEUs |
| https://app.livestorm.co/terumo-cardiovascular/advantages-of-near-infrared-spectroscopy-nirs-in-cardiac-surgery-and-ecmo-therapy?type=detailed | | |
| <i>AmSECT Standards and Guidelines – Zone 4</i> The American Society of ExtraCorporeal Technology (AmSECT) and the The International Consortium for Evidence-Based Perfusion Committee (ICEBP) Live, Interactive Webinar (Online Only) | 09/15/21 Wed 1.1 | 1.1 CEUs |
| https://www.amsect.org/p/cm/ld/fid=1698 | | |
| <i>13th Branislav 'Brano' Radovancevic Heart Failure Forum</i> Memorial Herman TMC, Abbot, and ABIOMED Graz, Austria | 09/15-17/21 Wed 6.0 Fri 8.4 | 22.8 CEUs Thu 8.4 |
| http://www.brano-hff.org/ | | |
| <i>II Congreso Latinoamericano De Perfusión</i> Asociación Latinoamericana De Perfusión San José, Costa Rica | 09/16/18/21 Thu 7.9 Sat 2.5 | 18.7 CEUs Fri 8.3 |
| https://www.congresoalap.com/general-7 | | |

| Meeting Location | Date | CEUs |
|---|--|---|
| <p><i>13th Annual Master Class in Congenital Morphology</i> UPMC Children's Hospital of Pittsburgh, the UPMC Heart And Vascular Institute Pittsburgh, PA</p> <p>https://cce.upmc.com/annual-master-class-2021</p> | <p>09/17-18/21 Fri 5.4</p> | <p>9.9 CEUs Sat 4.5</p> |
| <p><i>40th Annual Cardiovascular Surgery Symposium (CREF 2021)</i> The Institute for Medical Studies (IMS) and Aligned Management Associates, Inc. San Diego, CA</p> <p>https://www.crefmeeting.com</p> | <p>09/22-26/21 Wed 6.9 Fri 12.0 Sun 4.8</p> | <p>44.3 CEUs Thu 9.9 Sat 10.7</p> |
| <p><i>40th Annual Cardiovascular Surgery Symposium (CREF 2021)</i> Webinar The Institute for Medical Studies (IMS) and Aligned Management Associates, Inc. Live, Interactive Webinar (Online Only)</p> <p>https://www.crefmeeting.com</p> | <p>09/22-26/21 Wed 2.1 Fri 10.5 Sun 4.8</p> | <p>34.7 CEUs Thu 6.6 Sat 10.7</p> |
| <p><i>PerfWeb 68</i> MediWeb Live, Interactive Webinar (Online Only)</p> <p>www.PerfWeb.US</p> | <p>09/23/21 Thu 2.4</p> | <p>2.4 CEUs</p> |
| <p><i>32nd Annual Extracorporeal Life Support Organization (ELSO)</i> Conference 2021 Extracorporeal Life Support Organization Live, Interactive Webinar (Online Only)</p> <p>https://www.else.org/Education/2021ELSOMeeting.aspx</p> | <p>09/30-10/1/21 Thu 7.5</p> | <p>14.1 CEUs Fri 6.6</p> |
| <p><i>New Tracks in the Management of Congenital Heart Disease; 6th</i> <i>Annual Advances in Congenital Virtual Summit</i> Cleveland Clinic Live, Interactive Webinar (Online Only)</p> <p>http://www.clevelandclinic.org</p> | <p>10/01-02/21 Fri 16.8</p> | <p>24.1 CEUs Sat 7.3</p> |
| <p><i>26th Annual Illinois State Perfusion Society Conference</i> Illinois State Perfusion Society Live, Interactive Webinar (Online Only)</p> <p>www.illinoisperfusion.org</p> | <p>10/2/21 Sat 10.8</p> | <p>10.8 CEUs</p> |
| <p><i>PerfWeb 69</i> MediWeb Live, Interactive Webinar (Online Only)</p> <p>www.PerfWeb.US</p> | <p>10/6/21 Wed 3.6</p> | <p>3.6 CEUs</p> |

| Meeting Location | Date | CEUs |
|---|-----------------------------------|-----------------------------------|
| <i>AmSECT Standards and Guidelines – Zone 3</i> The American Society of ExtraCorporeal Technology (AmSECT) and the The International Consortium for Evidence-Based Perfusion Committee (ICEBP) https://www.amsect.org/p/cm/ld/fid=1698 | 10/6/21 Wed 1.1 | 1.1 CEUs |
| <i>12th Annual Neonatal & Pediatric ECLS Educational Conference</i> UPMC Children’s Hospital of Pittsburgh Pittsburgh, Pennsylvania https://cce.upmc.com/annual-ecls-conference#group-tabs-node-course-default1 | 10/6-8/21 Wed 7.5 Fri 5.5 | 20.9 CEUs Thu 7.9 |
| <i>Advances in Quality and Outcomes: A Data Managers Meeting</i> The Society of Thoracic Surgeons & Corexcel Live, Interactive Webinar (Online Only) https://www.sts.org/meetings/calendar-of-events/2021-advances-quality-outcomes-data-managers-meeting | 10/12-15/21 Tue 8.3 Thu 9.6 | 33.64 CEUs Wed 7.54 Fri 8.2 |
| <i>The Processes Used by the FDA to Evaluate Cardiopulmonary Devices</i> SpecialtyCare Live, Interactive Webinar https://learn.specialtycareus.com/perfusion_improve_cv_surgery_webinar.html | 10/13/21 Wed 1.2 | 1.2 CEUs |
| <i>AmSECT Standards and Guidelines – Zone 2</i> The American Society of ExtraCorporeal Technology (AmSECT) and the The International Consortium for Evidence-Based Perfusion Committee (ICEBP) https://www.amsect.org/p/cm/ld/fid=1698 | 10/13/21 Wed 1.1 | 1.1 CEUs |
| <i>AmSECT Standards and Guidelines – Zone 1</i> The American Society of ExtraCorporeal Technology (AmSECT) and the The International Consortium for Evidence-Based Perfusion Committee (ICEBP) https://www.amsect.org/p/cm/ld/fid=1698 | 10/20/21 Wed 1.1 | 1.1 CEUs |
| <i>PerfWeb 70</i> MediWeb Live, Interactive Webinar (Online Only) www.PerfWeb.us | 10/21/21 Thu 2.4 | 2.4 |
| <i>2021 National Meeting</i> Canadian Society of Clinical Perfusion Live, interactive Webinar (Online Only) https://www.cscp.ca/events/national-meeting | 10/22-24/21 Fri 8.8 Sun 7.6 | 24.8 CEUs Sat 8.4 |
| <i>23rd Annual Update on Perfusion Conference</i> Medical University of South Carolina | 10/29-30/21 Fri 8.1 | 16.2 CEUs Sat 8.1 |

| Meeting Location | Date | CEUs |
|---|------------------------------------|-----------------------|
| Live, Interactive Webinar (Online Only) https://chp.musc.edu/academics/cvp/conference/conference-program | | |
| <i>PerfWeb 71</i> MediWeb Live, Interactive Webinar (Online Only) www.PerfWeb.us | 11/3/21 Wed 3.6 | 3.6 CEUs |
| <i>North Carolina Society of Perfusion Annual Meeting</i> North Carolina Society of Perfusion Asheville, North Carolina https://www.ncsocietyofperfusion.org/agenda | 11/6-7/21 Sat 9.5 | 16.2 CEUs Sun 6.7 |
| <i>Clinical Practice Guidelines: Historical Overview, Current Applications and Outlook</i> Terumo Cardiovascular Live, Interactive Webinar (Online Only) https://app.livestorm.co/terumo-evh/clincial-practice-guidelines?type=detailed | 11/10/21 Wed 1.2 | 1.2 CEUs |
| <i>New STS, SCA, AmSECT Blood Management Guidelines</i> SpecialtyCare Live, Interactive Webinar (Online Only) https://learn.specialtycareus.com/perfusion_improve_cv_surgery_webinar.html | 11/10/21 Wed 1.2 | 1.2 CEUs |
| <i>ABTC SC Inter-Active On-line Class</i> PRUZN, Inc. Live, Interactive Webinar (Online Only) PRFUZN@bellsouth.net | 11/13/21 Sat 10.2 | 10.2 CEUs |
| <i>32nd Annual Cardiovascular Interventions</i> Promedica International CME La Jolla, CA https://www.cvinterventions.com/ | 11/17-19/21 Wed 4.8 Fri 11.4 | 27.6 CEUs Thu 11.4 |
| <i>PerfWeb 72 – ECMO: Who, How, and for How Long?</i> MediWeb Live, Interactive Webinar (Online Only) www.PerfWeb.us | 11/18/21 Thu 2.4 | 2.4 CEUs |
| <i>Perfusion Safety in the Cardiac OR</i> Terumo Cardiovascular Live, Interactive Webinar (Online Only) https://app.livestorm.co/terumo-evh/perfusion-safety-in-the-cardiac-or | 11/23/21 | 1.2 CEUs |
| <i>PerfWeb 73 – 2020 Review of Heart Transplants at VUMC</i> MediWeb Live, Interactive Webinar (Online Only) www.PerfWeb.us | 12/1/21 Wed 3.4 | 2.4 CEUs |

| Meeting Location | Date | CEUs |
|---|----------------------------------|---------------------------------|
| <i>Mayo Clinic's Current Concepts in Extracorporeal Life Support; Medical Management and High-Fidelity Cannulation Simulations 2021</i> Mayo Clinic Jacksonville, Florida www.ce.mayo.edu/adultecmo2021 | 12/1-4/21 Wed 6.0 Fri 7.8 | 30.0 CEUs Thu 8.4 Sat 7.8 |
| <i>Controversies & Advances in the Treatment of Cardiovascular Disease, the 20th in the Series</i> Promedica International Beverly Hills, California http://www.controversiesincardiology.com/ | 12/2-3/21 Thu 10.1 | 20.0 CEUs Fri 9.9 |
| <i>THI Perfusion Conference December 2021</i> Texas Heart Institute Houston, Texas www.texasheart.org | 12/3/21 Fri 3.9 | 3.9 CEUs |
| <i>7th Annual International Coronary Conference (ICC)</i> International Coronary Congress (ICC) New York, New York https://internationalcoronarycongress.com/ | 12/3-5/21 Fri 9.1 Sun 7.2 | 23.2 CEUs Sat 6.9 |
| <i>Clinical Perfusion Fall Research Defense</i> University of Nebraska Medical Center, Clinical Perfusion Education Omaha, Nebraska https://www.unmc.edu/alliedhealth/education/cpe/index.html | 12/13/21 Mon 2.8 | 2.8 CEUs |
| <i>PerfWeb 74 – The Economy of Perfusion</i> MediWeb Live, Interactive Webinar (Online Only) www.PerfWeb.us | 12/16/21 Thu 2.4 | 2.4 CEUs |
| <u>January 1, 2022</u> | | |
| <i>18th Annual Winter Park Perfusion Conference</i> Doc Phiroz Winter Park, Colorado | 01/9-12/22 Sun 4.8 Tue 7.2 | 26.4 CEUs Mon 7.2 Wed 7.2 |
| <i>18th Annual Winter Park Perfusion Webinar</i> Doc Phiroz Live, Interactive Webinar (Online Only) | 01/9-12/22 Sun 4.8 Tue 7.2 | 26.4 CEUs Mon 7.2 Wed 7.2 |
| <i>Perfusion Stories Out of Africa</i> SpecialtyCare Live, Interactive Webinar (Online Only) https://learn.specialtycareus.com/perfusion_improve_cv_surgery_webinar.html | 01/19/22 Wed 1.2 | 1.2 CEUs |
| <i>43rd Annual Seminar of the American Academy of Cardiocascular</i> | 02/9-12/22 | 43.2 CEUs |

| Meeting Location | Date | CEUs |
|---|---|---------------------------------|
| <i>Perfusion meeting</i> The American Academy of Cardiovascular Perfusion Lost Pines, Texas | Wed 3.6 Fri 12.0 | Thu 15.6 Sat 12.0 |
| | www.theaacp.com | |
| <i>43rd Annual Seminar of the American Academy of Cardiovascular Perfusion Virtual Meeting</i> The American Academy of Cardiovascular Perfusion Live, Interactive Webinar (Online Only) | 02/10-12/22 Thu 12.0 Sat 12.0 | 36.0 CEUs Fri 12.0 |
| | www.theaacp.com | |
| <i>2nd Annual UPMC Children's Hospital of Pittsburgh's Da Silva Center for Ebstein's Anomaly Symposium</i> UPMC Children's Hospital of Pittsburgh Pittsburgh, Pennsylvania | 02/12/22 Sat 4.4 | 4.4 CEUs |
| | https://cce.upmc.com/da-silva-center-ebsteins-anomaly-2022 | |
| <i>Nebraska Perfusion Society Annual Meeting</i> Nebraska Perfusion Society Omaha, Nebraska | 02/12/22 Sat 7.5 | 7.5 CEUs |
| <i>38th Annual Children's National Symposium – ECMO & Advanced therapies for Cardiac & Respiratory Failure</i> Children's National Hospital, WDS Live, Interactive Webinar (Online Only) | 02/13-15/22 Sun 3.0 Tue 5.4 | 15.0 CEUs Mon 6.6 |
| | https://childrensnational.org/healthcare-providers/healthcare-education/continuing-education-and-conferences/conferences-and-other-opportunities/ecmo-meeting | |
| <i>Minimally Invasive Extracorporeal Circulation</i> SpecialtyCare Live, Interactive Webinar | 02/16/22 Wed 1.2 | 1.2 CEUs |
| | https://learn.specialtycareus.com/perfusion_improve_cv_surgery_webinar.html | |
| <i>Houston Annual Shock Symposium</i> UTHealth Houston, Texas | 03/4-7/22 Fri 13.4 Sun 4.8 | 28.2 CEUs Sat 8.2 Mon 1.8 |
| | https://med.uth.edu/cahf/houston-shock-symposium/ | |
| <i>Chicagoland Perfusion Foundation 2022 Annual Meeting</i> Chicagoland Perfusion Foundation Chicago, Illinois | 03/05/22 Sat 8.1 | 8.1 CEUs |
| | https://www.chiperfound.org | |
| <i>PerfWeb 77</i> MediWed Live, Interactive Webinar (Online Only) | 03/8-10/22 Tue 1.2 Thu 1.2 | 3.6 CEUs Wed 1.2 |
| | https://library.perfusioneducation.com/video/perfweb-77-day-1-tammy-sparacino-journal-club-safely-repositioning-a-dual-lumen-ecmo-cannula | |

| Meeting Location | Date | CEUs |
|---|---|------------|
| https://library.perfusioneducation.com/video/perfweb-77-day-2-john-ingram-knowledge-nuggets-understanding-oxygen-free-radicals https://library.perfusioneducation.com/video/perfweb-77-day-3-the-abc-s-of-abg-s | | |
| <i>The Houston Aortic Symposium: Frontiers in Cardiovascular Diseases, the Fourteenth in the series</i> | 03/10-12/22 | 17.96 CEUs |
| Promedica International CME | Thu 7.26 | Fri 7.8 |
| Houston, Texas | Sat 2.9 | |
| http://www.houstonaorticssymposium.com/ | | |
| <i>PerfWeb 78</i> | 03/15-17/22 | 3.6 CEUs |
| MediWeb | Tue 1.2 | Wed 1.2 |
| Live, Interactive Webinar (Online Only) | Thu 1.2 | |
| https://library.perfusioneducation.com/video/perfweb-78-day-1-tammy-sparacino-journal-club-air-inflammation-and-biocompatibility https://library.perfusioneducation.com/video/perfweb-78-day-2-john-ingram-knowledge-nuggets-urine-output-on-cpb-when-is-enough-enough https://library.perfusioneducation.com/video/perfweb-78-day-3-does-ultrafiltration-reduce-urine-output-on-cpb-what-is-the-evidence | | |
| <i>Lessons Learned on Applying ECMI to Severely Ill Covid-19 Patients</i> | 03/16/22 | 1.2 CEUs |
| SpecialtyCare | Wed 1.2 | |
| Live, Interactive Webinar | https://learn.specialtycareus.com/perfusion_improve_cv_surgery_webinar.html | |
| <i>Pre-Conference Workshop</i> | 03/29-31/22 | 10.8 CEUs |
| American Society of Extracorporeal Technology (AmSECT) | Tue 3.6 | Wed 3.6 |
| Live, Interactive Webinar (Online Only) | Thu 3.6 | |
| https://www.amsect.org/page/60th-international-conference | | |
| <i>60th AmSECT International Conference</i> | 04/7-10/22 | 29.9 CEUs |
| American Society of Extracorporeal Technology (AmSECT) | Thu 8.1 | Fri 9.6 |
| Phoenix, Arizona | Sat 8.0 | Sun 4.2 |
| https://www.amsect.org/page/60th-international-confernece | | |
| <i>ECMO in ICU</i> | 04/13/22 | 1.2 CEUs |
| SpecialtyCare | Wed 1.2 | |
| Live, Interactive Webinar (Online Only) | https://learn.specialtycareus.com/perfusion_improve_cv_surgery_webinar.html | |
| <i>PerfWeb 81</i> | 04/23-25/22 | 8.7 CEUs |
| MediWeb | Sat 2.4 | Sun 1.2 |
| Live, Interactive Webinar (Online Only) | Mon 5.1 | |
| https://library.perfusioneducation.com/video/perfweb-81-racial-bias-in-pulse-oximetry-wolf-parkinson-white-syndrome-day-1 | | |

| Meeting Location | Date | CEUs |
|---|-------------|-----------|
| https://library.perfusioneducation.com/video/perfweb-81-new-technology-ecmo-with-the-spectrum-system-day-2 https://library.perfusioneducation.com/video/perfweb-81-ecmo-and-angiovac-simulations-day-3 | | |
| <i>PerfWeb 79</i> | 04/26-28/22 | 3.6 CEUs |
| MediWeb | Tue 1.2 | Wed 1.2 |
| Live, Interactive Webinar (Online Only) | Thu 1.2 | |
| https://library.perfusioneducation.com/video/perfweb-79-the-future-of-the-american-board-of-cardiovascular-perfusion-abc https://library.perfusioneducation.com/video/perfweb-79-the-truth-about-retrograde-cardioplegia-day-2 https://library.perfusioneducation.com/video/perfweb-79-neurocognitive-decline-following-cpb-day-3 | | |
| <i>Sanibel Symposium General Sessions</i> | 04/27-30/22 | 40.4 CEUs |
| Perfusion.com, Inc. | Wed 12.5 | Thu 11.9 |
| Fort Myers, Florida | Fri 9.8 | Sat 6.2 |
| http://www.perfusion.com/symposium/ | | |
| <i>Clinical Perfusion Education</i> | 05/05/22 | 2.1 CEUs |
| University of Nebraska Medical Center | Thu 2.1 | |
| Omaha, Nebraska | | |
| https://www.unmc.edu.alliedhealth/education/cpe/index.html | | |
| <i>Wisconsin Perfusion Society 29th Annual Spring Educational Meeting</i> | 05/07/22 | 12.6 CEUs |
| Wisconsin Perfusion Society | Sat 12.6 | |
| Madison, Wisconsin | | |
| www.wisperfusion.org | | |
| <i>Oxygen Delivery as a Key Quality Indicator for Adequate Perfusion</i> | 05/11/22 | 1.2 CEUs |
| SpecialtyCare | Wed 1.2 | |
| Live, Interactive Webinar (Online Only) | | |
| https://learn.specialtycareus.com/perfusion_improve_cv_surgery_webinar.html | | |
| <i>Baylor Scott & White ECMO Conference</i> | 05/20/22 | 7.5 CEUs |
| Baylor Scott & White Health | Fri 7.5 | |
| Temple, Texas | | |
| https://ce.bswhealth.com/2022ECMO | | |
| <i>32nd SEECMO Conference</i> | 05/20-22/22 | 17.7 CEUs |
| Monroe Carell Jr. Children's Hospital at Vanderbilt | Fri 5.1 | Sat 9.0 |
| Nashville, Tennessee | Sun 3.6 | |

| Meeting Location | Date | CEUs |
|---|---|------------|
| https://www.eventbrite.com/e/specialist-education-in-extracorporeal-membrane-oxygenation-seecmo-tickets-198589495527 | | |
| <i>PerfWeb Extra</i> | 05/21/22 | 2.4 CEUs |
| MediWeb | Sat 2.4 | |
| Live, Interactive Webinar (Online Only) | | |
| | www.PerfWeb.us | |
| <i>PerfWeb 80</i> | 05/24-26/22 | 3.6 CEUs |
| MediWeb | Sun 1.2 | Mon 1.2 |
| Live, Interactive Webinar (Online Only) | Tue 1.2 | |
| | https://library.perfusioneducation.com/video/perfweb-80-preoperative-stroke-before-cardiac-surgery-does-not-increase-postoperative-stroke-day-1 | |
| | https://library.perfusioneducation.com/video/perfweb-80-fireside-chat-donation-after-cardiac-death-dcd-organ-availability-work-life-imbalance | |
| | https://library.perfusioneducation.com/video/perfweb-80-fireside-chat-disparities-in-ecmo-outcomes-day-3 | |
| <i>Hoosier Extracorporeal Science Conference</i> | 05/25-26/22 | 21.3 CEUs |
| Heartbeat Perfusion Solutions, Inc. | Wed 8.7 | Thu 12.6 |
| Indianapolis, Indiana | | |
| | https://www.heartbeatperfusion.com/events/hoosier-extracorporeal-science-conference?v=6 | |
| <i>Mid-Atlantic VAD and ECMO Symposium (MAVES)</i> | 05/30/22 | 10.9 CEUs |
| Maryland State Perfusion Society, Inc. | Mon 10.9 | |
| Live, Interactive Webinar (Online Only) | | |
| | www.mdperfusion.com/events/ | |
| <i>THI Perfusion Conference June 2022</i> | 06/2-4/22 | 20.9 CEUs |
| Texas Heart Institute | Thu 4.8 | Fri 7.5 |
| Houston, Texas | Sat 8.6 | |
| | www.texasheart.org | |
| <i>2022 ASAIO Annual Conference</i> | 06/08-11/22 | 38.18 CEUs |
| American Society for Artificial Internal Organs | Wed 21.6 | Thu 6.38 |
| Chicago, Illinois | Fri 6.0 | Sat 4.2 |
| | https://asaio.org/conference/ | |
| <i>The Rewards and Challenges of Being a Per Diem Perfusionist</i> | 06/15/22 | 1.2 CEUs |
| SpecialtyCare | Wed 1.2 | |
| Live, Interactive Webinar | | |
| | https://learn.specialtycareus.com/perfusion_improve_cv_surgery_webinar.html | |
| <i>5th International MiECTiS Symposium in Conjunction with the SCSP Spring Meeting</i> | 06/16-19/22 | 27.0 CEUs |
| Canadian Society of Clinical Perfusion | Thu 2.4 | Fri 9.6 |
| Ontario, Canada | Sat 9.0 | Sun 6.0 |
| | https://cscp.ca/events/regional-meeting | |

| Meeting Location | Date | CEUs |
|---|----------------|-----------|
| <i>PerfWeb 81</i> | 06/23-25/22 | 8.7 CEUs |
| MediWeb | Sat 2.4 | Sun 1.2 |
| Live, Interactive Webinar (Online Only) | Mon 5.1 | |
| https://library.perfusioneducation.com/video/perfweb-81-racial-bias-in-pulse-oximetry-wolf-parkinson-white-syndrome-day-1 | | |
| https://library.perfusioneducation.com/video/perfweb-81-new-technology-ecmo-with-the-spectrum-system-day-2 | | |
| https://library.perfusioneducation.com/video/perfweb-81-ecmo-and-angiovac-simulations-day-3 | | |
| <i>Modified Ultrafiltration: Pro Con Debate</i> | 07/20/22 | 1.2 CEUs |
| SpecialtyCare | Wed 1.2 | |
| Live, Interactive Webinar | | |
| https://larn.specialtycareus.com/perfusion_improve_cv_surgery_werbinar.html | | |
| <i>Pittsburgh Heart Team Summit</i> | 07/22/22 | 10.2 CEUs |
| St. Clair Health | Fri 10.2 | |
| Pittsburgh, Pennsylvania | | |
| https://www.stclair.org/heart_summit/ | | |
| <i>Case Reports in the Sun Webinar</i> | 07/22-23/22 | 19.8 CEUs |
| Florida Perfusion Society | Fri 10.0 | Sat 9.8 |
| Live, Interactive Webinar | | |
| www.flperfusion.org | | |
| <i>PerfWeb 82</i> | 07/26/22 | 7.2 CEUs |
| MediWeb | Tue 7.2 | |
| Live, Interactive Webinar | | |
| www.PerfWeb.us | | |
| <i>Michigan Perfusion Society Summer Meeting</i> | 08/12-14/22 | 30.0 CEUs |
| Michigan Perfusion Society and The Michigan Society | Fri 12.6 | Sat 11.4 |
| Of Thoracic and Cardiovascular Surgeons | Sun 6.0 | |
| Boyne Falls, Michigan | | |
| www.miperfusion.org | | |
| <i>Should Healthcare Workers be Arrested for Accidents?</i> | 08/17/22 | 1.2 CEUs |
| SpecialtyCare | Wed 1.2 | |
| Live, interactive Webinar | | |
| https://learn.specialtycareus.com/perfusion_improve_cv_surgery_werbinar.html | | |
| <i>PerfWeb 83</i> | 08/22-25/22 | 6.0 CEUs |
| MediWeb | Mon 2.4 | Tue 1.2 |
| Live, Interactive Webinar | Wed 1.2 | Thu 1.2 |
| www.PerfWeb.us | | |
| <i>25th Annual Update on Pediatric and Vcongenital Cardiovascular Disease</i> | 08/30-09/03/22 | 43.4 CEUs |
| Children's Hospital of Philadelphia | Tue 11.5 | Wed 9.9 |
| Huntington Beach, California | Thu 6.6 | Fri 9.1 |
| | Sat 6.3 | |

| Meeting Location | Date | CEUs |
|---|-------------|-----------|
| www.chop.edu/cardiology2022 | | |
| <i>14th Branislav “Brano” Radovancevic Heart Failure Forum</i> | 09/06-08/22 | 49.8 CEUs |
| Memorial Hermann TMC, Abbott, and ABIOMED | Tue 9.6 | Wed 32.1 |
| Treste, Italy | Fri 8.1 | |
| https://www.brano-hff.org | | |
| <i>19th Annual Perioperative and Critical Care Conference</i> | 09/08-10/22 | 16.9 |
| The Society of Thoracic Surgeons & Corexcel | Thu 4.8 | Fri 8.2 |
| Denver, Colorado | Sat 3.9 | |
| https://www.sts.org/meetings/calendar-of-events/19th-annual-perioperative-and-critical-care-conference | | |
| <i>Virginia Perfusion Symposium</i> | 09/10-11/22 | 11.6 CEUs |
| Virginia Perfusion Society | Sat 7.6 | Sun 4.0 |
| Falls Church, Virginia | | |
| www.virginiaperfusion.org | | |
| <i>33rd Annual ELSO Conference 2022</i> | 09/14-17/22 | 23.0 CEUs |
| Extracorporeal Life Support Organization | Wed 3.9 | Thu 8.5 |
| Boston, Massachusetts | Fri 8.2 | Sat 2.4 |
| https://www.else.org/ecmo-education/2022ELSOMeeting.aspx | | |
| <i>Pennsylvania State Perfusion Society 2022 Spring Meeting</i> | 09/15-17/22 | 19.0 CEUs |
| Pennsylvania State Perfusion Society | Thu 3.6 | Fri 9.9 |
| Pittsburgh, Pennsylvania | Sat 5.5 | |
| <i>PerfWeb 84</i> | 09/29-30/22 | 5.0 CEUs |
| MediWeb | Thu 2.5 | Fri 2.5 |
| Live, Interactive Webinar (Online Only) | | |
| www.PerfWeb.us | | |
| <i>13th Annual Neonatal & Pediatric ECLS Education Conference</i> | 10/5-7/22 | 19.2 CEUs |
| UPMC Children’s Hospital of Pittsburgh | Wed 5.8 | Thu 6.5 |
| Live, Interactive Webinar (Online Only) | Fri 5.9 | |
| https://cce.upmc.com/annual-neonatal-and-pediatric-ecls-conference | | |
| <i>27th Annual Illinois State Perfusion Society Educational Conference</i> | 10/08/22 | 10.4 CEUs |
| Illinois State Perfusion Society | Sat 10.4 | |
| Live, Interactive Webinar (Online Only) | | |
| www.illinoisperfusion.org | | |
| <i>Pediatric Respiratory Failure and the Role of VV ECMO</i> | 10/11/22 | 1.5 CEUs |
| Invosurg | Tue 1.5 | |
| Live, Interactive Webinar (Online Only) | | |
| www.invosurg.com | | |
| <i>PerWeb 85</i> | 10/13-14/22 | 3.6 CEUs |
| MediWeb | Thu 1.8 | Fri 1.8 |

| Meeting Location | Date | CEUs |
|---|-------------------------------------|----------------------------------|
| Live, Interactive Webinar (Online Only) www.PerfWeb.us | | |
| <i>41st Annual Cardiothoracic Surgery Symposium (CREF 2022) Meeting</i> Amedco and Aligned Management Associates Inc. San Diego, California https://www.crefmeeting.com | 10/19-22/22 Wed 5.9 Fri 12.0 | 43.9 CEUs Thu 9.9 Sat 13.1 |
| <i>41st Annual Cardiothoracic Surgery Symposium (CREF 2022) Webinar</i> Amedco and Aligned Management Associates Inc. Live, Interactive Webinar (Online Only) https://www.crefmeeting.com | 10/19-22/22 Wed 5.3 Fri 12.6 | 40.0 CEUs Thu 9.0 Sat 13.1 |
| <i>Minnesota Perfusion Society 2022 Meeting</i> Minnesota Perfusion Society Minneapolis, Minnesota https://www.eventbrite.com/e/minnesota-perfusion-society-2022-meeting-tickets-368514074517 | 10/21-23/22 Fri 4.8 Sun 5.6 | 20.4 CEUs Sat 10.0 |
| <i>PerfWeb Special – The Kidney</i> MediWeb Live, Interaction Webinar (Online Only) www.PerfWeb.us | 10/22/22 Sat 5.7 | 5.7 CEUs |
| <i>An Update on Perfusion Techniques That Optimize Outcomes for Patients Undergoing Aortic Surgery</i> SpecialtyCare Live, Interactive Webinar (Online Only) https://learn.specialtycareus.com/perfusion_improve_cv_surgery_werbinar.html | 10/26/22 Wed 1.2 | 1.2 CEUs |
| <i>Advances in Quality and Outcomes: A Data Managers Meeting</i> The Society of Thoracic Surgery & Corexcel Providence, Rhode Island https://www.sts.org/meeting/calendar-of-events/2022-advances-quality-outcomes-data-managers-meeting | 10/26-28/22 Wed 12.6 Fri 13.5 | 36.3 CEUs Thu 10.2 |
| <i>33rd Annual Cardiovascular Interventions</i> Promedica International CME La Jolla, California https://www.cvinterventions.com | 10/26-28/22 Tue 4.8 Thu 11.4 | 27.6 CEUs Wed 11.4 |
| <i>24th Annual Update on Perfusion Conference</i> Medical University of South Carolina Charleston, South Carolina https://chp.musc.edu/academics/cvp/conference/conference-program | 10/27-29/22 Thu 1.8 Sat 8.4 | 17.7 CEUs Fri 7.5 |

| Meeting Location | Date | CEUs |
|---|-------------------------------------|---------------------------------|
| <i>2022 National Meeting</i> Canada Society of Clinical Perfusion Live, Interactive Webinar (Online Only) https://www.cscp.events/national-meting | 10/28-30/22 Fri 9.6 Sun 9.6 | 26.4 CEUs Sat 7.2 |
| <i>St. Louis Shock Symposium</i> Washington University & Barnes Jewish Hospital Saint Louis, Missouri https://stlouishshocksymposium.com/ | 10/29-30/22 Sat 10.5 | 14.7 CEUs Sun 4.2 |
| <i>NYSSP 2022 One Day Scientific Symposium</i> New York State Society of Perfusion/Hofstra University Hempstead, New York https://NYSSPPerfusionSymposium.eventbrite.com | 11/5/22 Sat 10.5 | 10.5 CEUs |
| <i>Can Stress be Managed or Just Tolerated?</i> SpecialtyCare Live, Interactive Webinar (Online Only) https://learn.specialtycareus.com/perfusion_improve_cv_surgery_werbinar.html | 11/16/22 Wed 1.2 | 1.2 CEUs |
| <i>PerfWeb 86</i> MediWeb Live, Interactive Webinar (Online Only) www.PerfWeb.us | 11/21-22/22 Mon 3.0 | 6.0 CEUs Tue 3.0 |
| <i>Mayo Clinic's Current Concepts in Extracorporeal Life Support; Medical Management and High-Fidelity Cannulation Simulations 2022</i> Mayo Clinic Live, Interactive Webinar (Online Only) www.ce.mayo.edu/adultecmo2022 | 11/30-12/3/22 Wed 6.0 Fri 7.8 | 28.8 CEUs Thu 7.8 Sat 7.2 |
| <i>14th Annual Master Class in Congenital Cardiac Morphology; Tetrology of Fallot</i> UPMC Children's Hospital of Pittsburgh Pittsburgh, PA https://cce.upmc/14th-annual-masterclass-cardiac-morphology | 12/10/22 Sat 6.6 | 6.6 CEUs |

January 1, 2023

| | | |
|--|-------------------|----------|
| <i>Lifetime Management of the Aorta</i> UPMC Children's Hospital of Pittsburgh Pittsburgh, PA https://cce.upmc.com/lifetime-management-aorta-2023 | 1/7/23 Sat 7.2 | 7.2 CEUs |
|--|-------------------|----------|

| Meeting Location | Date | CEUs |
|---|------------------------------------|-------------------------------------|
| <i>A Random Clinical Trial of Perfusion Modalities on Cerebral Hemodynamic, Pediatric Logistic Organ Dysfunction Score, and Clinical Outcomes in Congenital Heart Surgery Patients</i> SpecialtyCare Live Interactive Webinar (Online Only) https://learn.cpecialtycareus.com/perfusioin_improve_cv_surgery_webinar.html | 1/17/23 Tue 1.2 | 1.2 CEUs |
| <i>44th Annual Seminar of the American Academy of Cardiovascular Perfusion – Live</i> American Academy of Cardiovascular Perfusion Savannah, GA www.theacp.com | 2/1-4/23 Wed 3.6 Fri 12.0 | 43.8 CEUs Thurs 16.2 Sat 12.0 |
| <i>44th Annual Seminar of the American Academy of Cardiovascular Perfusion – Webinar</i> American Academy of Cardiovascular Perfusion Live Interactive Webinar (Online) https://www.theacp.com/2023-annual-meeting/ | 2/2-4/23 Thurs 12.6 Sat 12.0 | 36.6 CEUs Fri 12.0 |
| <i>Nebraska Perfusion Society Annual Meeting</i> Nebraska Perfusion Society Omaha, NE https://unmc.zoom.us/j/93631924063?pwd=VzdNRIJkdmY1TTFRdVhVdWNRUjcwUT09 | 2/11/23 Sat 6.3 | 6.3 CEUs |
| <i>3rd Annual UPMC Children's Hospital of Pittsburgh's Da Silva Center for Ebstein's Anomaly Symposium</i> Pittsburgh, PA https://cce.upmc.com/3rd_Annual_UPMC_Children's_Hospital_of_Pittsburgh's_DaSilva_Center_for_Ebstein's_Anomaly_Symposium UPMC-Center_for_Continuing_Education_in_the_Health_Sciences | 2/11/23 Sat 4.9 | 4.9 |
| <i>Annual Cleveland Clinic Meeting</i> Cleveland Clinic Orlando, FL https://www.clevelandclinicned.com/live/courses.CongenitalHeart23/ | 2/16-18/23 Thurs 9.9 Sat 4.1 | 23.0 CEUs Fri 9.0 |
| <i>26th Annual Update on Pediatric and Vcongenital Cardiovascular Disease</i> Children's Hospital of Philadelphia www.chop.edu/cardiology2023 | 2/23-26/23 Thurs 2.1 Sat 6.0 | 29.0 CEUs Fri 12.0 Sun 8.9 |
| <i>Organ Perfusion Summit</i> Maryland State Perfusion Society Frederick, MD https://mdperfusion.com/evernts/ | 2/25/23 Sat 10.0 | 10.0 CEUs |

| Meeting Location | Date | CEUs |
|---|---|--|
| <p>39th Annual Children's National Symposium ECMO & The Advances Therapies For Respiratory & Cardiac Failure Children's National Hospital, WDS Live Interactive (Online only)</p> <p>https://childrensnational.org/healthcare-providers/healthcare-education/continuing-education-and-conferences/conferences-and-other-opportunities/ecmo-meeting</p> | <p>2/23-3/1/23 Sun 5.4 Tue 6.3</p> | <p>22.8 CEUs Mon 6.3 Wed 4.8</p> |
| <p>2023 Chicagoland Perfusion Foundation Meeting Chicagoland Perfusion Foundation Des Plaines, IL</p> <p>https://www.chiperfound.org</p> | <p>3/4/23 Sat 12.0</p> | <p>12.0 CEUs</p> |
| <p>Intraoperative Neuromonitoring for Cardiac Procedures 2023 UPMC Procirca Pittsburgh, PA</p> <p>https://procirca.com/cardiac-neuromonitoring-course/</p> | <p>3/11/23 Sat 8.3</p> | <p>8.3 CEUs</p> |
| <p>The Houston Aortic Symposium: Frontiers in Cardiovascular Diseases The Fifteenth in the Series Houston, TX</p> <p>http://www.houstonaorticsymposium.com/</p> | <p>3/16-18/23 Thurs 7.8</p> | <p>15.38 CEUs Fri 7.58</p> |
| <p>61st AmSECT International Conference American Society of Extracorporeal Technology Orlando, FL</p> <p>https://www.amsect.org/Events-Education/International-Conference/Agenda</p> | <p>3/23-26/23 Thurs 10.8 Sat 9.3 Mon 1.8</p> | <p>39.6 CEUs Fri 12.0 Sun 5.7</p> |
| <p>Houston Annual Shock Symposium UTHealth Houston, TX</p> <p>https://med.uth.edu/cahf/houston-shock-symposium/</p> | <p>4/14-16/23 Fri 11.7 Sun 9.0</p> | <p>29.8 CEUs Sat 9.1</p> |
| <p>11th EuroELSO Congress EuroELSO Congress Congress Centre Lisbon, Portugal</p> <p>www.euroelso-congress.com</p> | <p>4/26-29/23 Wed 4.8 Fri 7.8</p> | <p>24.4 CEUs Thurs 6.6 Sat 5.2</p> |

| Meeting Location | Date | CEUs |
|---|--------------------|-------------|
| <i>Heart & Vascular Conference</i> University of Michigan Health West Grand Rapids, MI https://uofmhelathwest.org/heartconference/ | 11/3/23 Fri 7.2 | 7.2 CEUs |

Self-Directed Continuing Education (SDCE) Courses

SDCEs awarded for courses **completed before expiration date.**
 (SDCEs awarded in excess of 10 or after expiration date may be claimed as
 Category III - Self-Study Modules)

25 SDCEs may be reported: 10 Category I - SDCE, and 15 Category III - Self-Learning Activities

| | |
|---|-----------|
| <i>Nashville Perfusion Conference 2018</i> | 7.0 SDECs |
| Congestive Heart Failure | 3.0 |
| Pharmacology of Congestive Heart Failure | 4.0 |
| Expires December 31, 2018 | |
| http://healthcareceus.net/ | |

AmSECT University Courses July 1, 2016-June 30, 2017 - 207 Titles Each Equal 1 CEU except for those marked BOLD and * which are worth .5 CEU

<http://www.amsect.org/page/amsect-university>

Methodology of Creating Anticoagulation Task Force
 Anticoagulation Monitoring
 Improving Outcomes with Anticoagulation Management
 Understanding Coagulation Tests
 Understand the Role of Factor Concentrates
 A Wise Investment for the Patient and the Hospital System
 Effective Blood Management Programs, Door to Door
 Evidence-based Transfusion Practice and Patient Blood Management Programs
 The Blood Management Movement in Surgery: Get on Board
 Coagulation Metrics and Blood Product Recommendations
 Introduction to Interpret TEG's
 AABB Standards of Preoperative Autologous Blood Collection and Administration
 SABM Blood Management Standards
 Perfusion's Role in Blood Management Guidelines
 Collection, Analysis and Presentation of Blood Utilization Data to Improve Practice and Reduce Costs
 Patient Blood Management Strategies (PBM): More than Restrictive Transfusion
 Is Patient Blood Management Safe?
 Acute Normovolemic Hemodilution
 Red Blood Cell Conservation: A Surgeons Journey
 Red Cell Preservation
 The Perfusion Review Course: Study Tips for Taking High Stakes Exams
 The Perfusion Review Course: Acid Base Physiology
 Perfusion Review Course: Biochemistry
 Perfusion Review Course: Cardiovascular Physiology
 Perfusion Review Course - Congenital Acquired Pathology I
 Perfusion Review Course - Congenital Acquired Pathology II

Meeting Location**Date****CEUs**

Perfusion Review Course - Congenital Acquired Pathology III
 Perfusion Review Course - Congenital Acquired Pathology IV
 Perfusion Review Course: Drugs and Agents I
 Perfusion Review Course: Drugs and Agents II
 Perfusion Review Course: Drugs and Agents III
 Perfusion Review Course Drugs Common to Perfusion
 Perfusion Review Course: Mathematics for Perfusion Technology
 Perfusion Review Course: Myocardial Protection
 Perfusion Review Course: Perfusion Equipment and Components
 Perfusion Review Course: Perfusion Methodology - Mechanical Assist Devices I
 Perfusion Review Course: Perfusion Methodology - Mechanical Assist Devices II
 Perfusion Review Course: Perfusion Methodology - Pediatrics Part I Preparation
 Perfusion Review Course Perfusion Methodology: Pediatrics Part II Practice
 Perfusion Review Course: Perfusion Methodology - Routine CPB
 Perfusion Review Course: Perfusion Methodology - Routine CPB II
 Perfusion Review Course: Perfusion Methodology - Special CPB Procedures I
 Perfusion Review Course: Perfusion Methodology - Special CPB Procedures II
 Perfusion Review Course: Physiology of Non- Blood Fluids
 Perfusion Review Course: Renal Physiology
 Perfusion Review Course: Respiratory Anatomy
 Perfusion Review Course: Respiratory Anatomy II
 Perfusion Review Course: Respiratory Anatomy III
 Welcome to What Makes a Good Clinical Instructor?
 Perfusion 101: The Basics
 Introduction To AmSECT U: What is it all about?
Introduction to Flipped Classroom .5 CEUs
 Abiomed Impella
 HeartWare HVAD Part I: Equipment Set-up
 HeartWare HVAD Part II: System Alarms and Emergency Management
 St. Jude (Thoratec) HeartMate II
 Review Course: Adult Cardiac and Vascular Anatomy
 Physiology of Blood Fluids
 2014 Updates to the Standards and Guidelines
 Standards and Guidelines
 Blending Industry and Clinical Practice to Achieve Standards and Guidelines
 Alphabet Soup: Costs, Charges, Administrative Data and Clinical Data
 Acute Normovolemic Hemodilution: An Approach Towards Estimating Its Value
 Plasma Substitutes
 How to Optimize the Use of Plasma Substitutes, Factor Concentrates and Artificial
 Bloods in the Real World
 Antithrombin - What the Perfusionist Needs to Know
 Introduction To Transfusion Medicine
 The Pathophysiology Underlying the Role of Transfusion in Post-Operative Morbidity
 and Mortality
 The Perfusionist's Leadership Role in a Diversified Healthcare Environment
 Staff to Leader, Chief to Beyond: Leadership Skills That Continue beyond the Chief
 Role
 Managing Within the Law

Meeting Location**Date****CEUs**

The Role of Transfusion in Post-Operative Morbidity and Mortality: Emerging Science and Clinical Registries
Why have a State Perfusion Society
Deconstructing the Legislative Process
Influencing Legal Decisions I
Influencing Legal Decisions II
State Legal Credentialing
Medical Malpractice and Legal Issues
Introduction to Clinical Procedure Guidelines for Perfusionists
Never Fear Affordable HealthCare is Here!
A Primer in Leadership Development, Negotiating in and Out of the OR
How Do I Negotiate?
Negotiating In and Out of the OR: What Are You Talking About?
Introduction to Designing a Quality Plan
Think Practice: Think Safety
How to Use Quality and Cost to Motivate Your Team
Challenging the STS Guidelines
Accreditation and Regulatory Readiness Update for the JTC
What Is In Your Perfusion Safety Tool Box?
Leadership Development: Engaging Your Team
Endocrine, Metabolic and Splanchnic Changes on CPB
Hypoplastic Left Heart Syndrome: A Hybrid Approach
Welcome to Endothelial Glycocalyx: Microbubble Damage and Tissue Edema
Understanding the Role of the Glycocalyx to Microvasculature Integrity: Clinical Complication
Understanding Microvasculature from the Research Bench to the Operating Room
Oxygen Transport Calculations
Congenital Defects and Corrective Surgery I
Congenital Defects and Corrective Surgery II
Lean Body Mass: Understanding Metabolism in Obese Patients
Continuous Renal Replacement Therapy
Introduction to ECMO
Principles of VA ECMO
Principles of VV ECMO
Ethics in ECLS Care
Indications and Results of Long-Term Support
Cross-Country High Risk Transport
Cardio Help 1
Congenital Cardiac Anesthesia Society Registry
Congenital Cardiac Surgery Database
Defining Optimal Peri-CPB Fluid Balance for the Ped Patient
Sentinel Event: Correction of AV Canal Defect
Sentinel Events Case Reports
Accuracy of Epigastric Saturation in Predicting NEC
Del Nido Cardio: Elixir of Choice for Peds
The Importance of a Team Huddle
Optimized CPB in the Neonate
ABO Incompatible Heart Transplants

Meeting Location**Date****CEUs**

Introduction to Ventilation 118
Spectrum M: Non-Invasive Blood Gas Management
Electronic Medical Records are important for Debate
FDE Recommendations for ALL Heater Coolers
LivaNova 3T Heater Cooler Members Class
Use of the Hemobag
Hemobag to Concentrate Residual Pump Blood
Point of Care Testing Devices 2106 Compliance
Rotem 101: Basics of Interpretation
Rotem 102: Case Studies and Specialized Apps
TEG Basic Clinician Training
TEG Bleeding Profiles
TEG: Special Circumstances
Myocardial Protect: A Topic We Take for Granted
MP: The Science and Pathophysiology of Ischemic Injury
Could Clinical Outcome Registries Bring us Closer to Consensus
An Introduction to Whole Blood Modified Single Dose Cardioplegia Strategy for
Adults
Custodial Cardioplegia: A Single-dose Hyperpolarizing Solution
Whole Blood Cardioplegia: Do We Still Need to Dilute?
Concentrated Del Nido using the Quest
Perfusionists' Perspective on Using the Quest
The Custodial Cardioplegia Protocol
Cardioplegia Demonstration Del Nido for Adults
Del Nido Cardioplegia Using a Small Circuit
Angiovac Case Studies
Cold Agglutinins and Cardiac Surgery
Developments in the Surgical Management of Hypertrophic Cardiomyopathy
HIPEC: Hyperthermic Intraperitoneal Chemotherapy
Immune Mechanisms in Vascular Remodeling: Intimal Hyperplasia
Ultrafiltration in Cardiopulmonary Bypass
Minimally Invasive Thrombectomy the AngioVac System
Strategies for Improving Adequacy During Complex Surgical Repairs Requiring
Circulatory Arrest
End of Case: Autotransfusion
Goal Directed Fluid Management for Adult Cardiac Patients
Retrograde Autologous Prime: An Approach to Estimating its Value
Where Our Product Ideas Go to Flourish, Flounder or Flop: a Perspective on
Industry-Clinician Product Development and Partnership
Innovations in Perfusion Management: Spectrum Medical
Dissolving mysteries, myths and legends of Preoperative fluid management
Quantum is Here!
Oxygenator Failure
How to Get Published
Introduction to Scientific Research and Writing
Developing a Consensus Statement
Evidence Based Practice - A Primer for Perfusionists
ANOVA: Analysis of Variance (F-test)

- T-Tests and their Non-Parametric Equivalent
 Descriptive Statistics
 Right Sizing CPB Circuits
 A Surgical Perspective: The Future of HIPEC and Its' Impact on Perfusion
 The Future of Perfusion Technology
 The Search for a Borrowed Heart Juniper's Story: A Case Report
***Adult Congenital Case Report : Complications from an Anomalous Coronary
 During a Mitral Valve Replacement**
***Case Report: Application and Experiences of an Adult VAD in the Pediatric
 Setting**
 Pro/Con Debate: Who Should Manage Adult Congenital Patients?
 Congenital Heart Disease in Adults: Operating Room Concerns in this Patient
 Population
 Practical Perfusion Considerations in Adult Congenital Cardiac Surgery
***Perfusion Supported Organ Recovery in Kidney Transplantation – a Single
 Center Experience**
***Marginal Gains in Perfusion Utilizing a Dual Cardiomy Reservoir**
***EVLP: An Evolving Technique**
 Standards and Guidelines Updates
***Safety in Perfusion at Mayo Clinic Rochester**
***Building a Culture of Safety MGH**
***Proposal of an AmSECT Center of Excellence**
 FMEA Practicum: Improved Patient Care and Safety
 Failure Mode Effects Analysis (FMEA): reports how to assess potential safety issues
 and create reports for your team and institution
***Case Study: Safety of Low Doses Heparin vs. Conventional Heparin Dose
 Heparin in Post Cardiomy ECMO Patients**
***Perfusionists impact on improving patient experience**
***Total Endoscopic Robotic Mitral Valve Surgery (TERMS)**
***An Invitro Emboli Study of the Medtronic Fusion Oxygenator with and without
 a Medtronic Arterial Filter Compared to Sorin Inspire Oxygenator with
 Medtronic Arterial Filter**
***The Impact of Four Different Wash Solutions on Autotransfusion Products**
***Perfusion Mobile Guidelines Uses and Benefits**
 ABCP Update
***Use of Perfusion Guidelines for Providing Optimal Care for the Patient with
 Fulminant Myocarditis Treated with a Bivac as a Bridge to Transplant
 Using Bivalrudin**
***A Case Presentation on the Removal of Saddle Pulmonary Embolus with the
 Angiovac System and Venous-Arterial ECMO**
***Standards and Guidelines for Accreditation of High-Fidelity Extracorporeal
 Simulation Programs**
***ECMO Interventions**
***Antithrombin and Heparin Doses Effects on Measures of Anticoagulation in
 First Five Days of Infant-Pediatric ECMO**
***Maintaining Platelet Function in Whole Blood Stored During Acute
 Normovolemic Hemodilution: a Look at Temperature**
***Factors Influencing Intraoperative Glycemic Control During Cardiac Surgery**

with CPB***Application of Goal-Directed Therapy for the Use of Concentrated Antithrombin for Heparin Resistance During Cardiac Surgery**

Variance in Therapy as Registry Variables

Is It Time for Goal Directed Therapy in Perfusion?

Is Timing Everything?

***Will Real-Time Monitoring Technology Be a Game Changer for Perfusion Safety?**

Goal Directed therapy in critical care: Why this may be relevant for CPB?

My Mission Trip to Macedonia

Perfusion without borders: The India Experience

Syncardia Total Artificial Heart Operational Overview and Troubleshooting

3D Printing: A tool in the hybrid approach to CHD

AmSECT UNIVERSITY 192 Courses approved July 1, 2017 – June 30, 2018**All Courses are 1 CEU EXCEPT THOSE MARKED BY ASTRIC (*) which are worth .5 CEUs****COLLEGE OF BLOOD MANAGEMENT**

Methodology of Creating Anticoagulation Task Force

Anticoagulation Monitoring: Shouldn't we validate?

Improving Outcomes with Anticoagulation Management

Understanding Coagulation Tests

Understand the Role of Factor Concentrates

A Wise Investment for the Patient and the Hospital System

Effective Blood Management Programs, Door to Door

Evidence-based Transfusion Practice and Patient Blood Management Programs

The Blood Management Movement in Surgery: Get on Board

Coagulation Metrics and Blood Product Recommendations

Introduction to Interpret TEG's

AABB Standards of Preoperative Autologous Blood Collection and Administration

SABM Blood Management Standards

Perfusion's Role in Blood Management Guidelines

Collection, Analysis and Presentation of Blood Utilization Data to Improve Practice and Reduce Costs

Patient Blood Management Strategies (PBM): More than Restrictive Transfusion

Is Patient Blood Management Safe?

Acute Normovolemic Hemodilution

Red Blood Cell Conservation: A Surgeons Journey

Red Cell Preservation

Acute Normovolemic Hemodilution: An Approach towards Estimating Its Value

Plasma Substitutes

How to Optimize the Use of Plasma Substitutes, Factor Concentrates and Artificial Bloods in the Real World

Antithrombin - What the perfusionist needs to know

COLLEGE OF EDUCATION

The Perfusion Review Course: Study Tips for Taking High Stakes Exams

Meeting Location**Date****CEUs**

The Perfusion Review Course: Acid Base Physiology
 Perfusion Review Course: Biochemistry
 Perfusion Review Course: Cardiovascular Physiology
 Perfusion Review Course - Congenital Acquired Pathology I
 Perfusion Review Course - Congenital Acquired Pathology II
 Perfusion Review Course - Congenital Acquired Pathology III
 Perfusion Review Course - Congenital Acquired Pathology IV
 Perfusion Review Course: Drugs and Agents I
 Perfusion Review Course: Drugs and Agents II
 Perfusion Review Course: Drugs and Agents III
 Perfusion Review Course: Drugs Common to Perfusion
 Perfusion Review Course: Mathematics for Perfusion Technology
 Perfusion Review Course: Myocardial Protection
 Perfusion Review Course: Perfusion Equipment and Components
 Perfusion Review Course: Perfusion Methodology - Mechanical Assist Devices I
 Perfusion Review Course: Perfusion Methodology - Mechanical Assist Devices II
 Perfusion Review Course: Perfusion Methodology - Pediatrics Part I Preparation
 Perfusion Review Course: Perfusion Methodology - Pediatrics Part II Practice
 Perfusion Review Course: Perfusion Methodology - Routine CPB
 Perfusion Review Course: Perfusion Methodology - Routine CPB II
 Perfusion Review Course: Perfusion Methodology - Special CPB Procedures I
 Perfusion Review Course: Perfusion Methodology - Special CPB Procedures II
 Perfusion Review Course: Perfusion Methodology - Physiology of Non-Blood Fluids
 Perfusion Review Course: Perfusion Methodology - Renal Physiology
 Perfusion Review Course: Perfusion Methodology - Respiratory Anatomy I
 Perfusion Review Course: Perfusion Methodology - Respiratory Anatomy II
 Perfusion Review Course: Perfusion Methodology - Respiratory Anatomy III
 Welcome to What Makes a Good Clinical Instructor?
 Review Course: Adult Cardiac and Vascular Anatomy
 Perfusion 101: The Basics
 Introduction to AmSECT U: What is it all about?
***Introduction to Flipped Classroom** **.5 CEUs**
 Physiology of Blood Fluids

THE COLLEGE OF LEADERSHIP

The Perfusionists Leadership Role in a Diversified Healthcare Environment
 Staff to Leader, Chief to Beyond: Leadership Skills That Continue Beyond the Chief Role.
 Managing within the Law
 Why have a State Perfusion Society
 Medical Malpractice and Legal Issues
 Introduction to Clinical Procedure Guidelines for Perfusionists
 Never Fear Affordable HealthCare is Here!
 A Primer in Leadership Development, Negotiating In and Out of the OR
 How Do I Negotiate?
 Negotiating In and out of the OR: What are you talking about?
 Introduction to Designing a Quality Plan
 Think Practice: Think Safety
 How to Use Quality and Cost to Motivate Your Team

Meeting Location**Date****CEUs**

Challenging the STS Guidelines
Accreditation and Regulatory Readiness Update for the JTC
2014 Updates to the Standards and Guidelines
Standards and Guidelines
Blending Industry and Clinical Practice to Achieve Standards and Guidelines
Alphabet Soup: Costs, Charges, Administrative Data and Clinical Data

COLLEGE OF LIFE SCIENCES

Endocrine, Metabolic and Splanchnic Changes on CPB
Hypoplastic Left Heart Syndrome: A Hybrid Approach
Endothelial Glycocalx: Microbubble Damage and Tissue Edema
Understanding Microvasculature from the Research Bench to the Operating Room

COLLEGE OF MECHANICAL CIRC SUPPORT

Continuous Renal Replacement Therapy
Introduction to ECMO
Principles of VA ECMO
Principles of VV ECMO
Ethics in ECLS Care
Indications and Results of Long-Term Support
Cross-Country High Risk Transport
Cardiohelp 1
Abiomed Impella
HeartWare HVAD Part I: Equipment Set-up
HeartWare HVAD Part II: System Alarms and Emergency Management
St. Jude (Thoratec) HeartMate II

COLLEGE OF PEDIATRIC AND CONGENITAL MANAGEMENT

Congenital Cardiac Anesthesia Society Registry
Congenital Cardiac Surgery Database
Defining Optimal Peri-CPB Fluid Balance for the Ped Pt
Sentinel Event: Correction of AV Canal Defect
Sentinel Events Case Reports
Accuracy of Epigastric Saturation in Predicting NEC
Del Nido Cardio: Elixir of choice for Peds
The Importance of a Team Huddle
Optimized CPB in the Neonate
ABO Incompatible Heart Transplants

COLLEGE OF PERIOPERATIVE SERVICES

Introduction to Ventilation
Spectrum M: Non-Invasive Blood Gas Management
Electronic Medical Records are important for Debate
FDE Recommendations for ALL Heater Coolers
LivaNova 3T Heater Cooler Members Class
Use of the Hemobag
Hemobag to Concentrate Residual Pump Blood
Point of Care Testing Devices 2106 Compliance
Rotem 101: Basics of Interpretation

Meeting Location**Date****CEUs**

Rotem 102: Case Studies and Specialized Apps
 TEG Basic Clinician Training
 TEG Bleeding Profiles
 TEG: Special Circumstances
 Myocardial Protect: A Topic We Take for Granted
 MP: The Science and Pathophysiology of Ischemic Injury
 Could Clinical Outcome Registries Bring Us Closer to Consensus
 An Introduction to Whole Blood Modified Single Dose Cardioplegia Strategy for Adults
 Custodial Cardioplegia: A Single-dose Hyperpolarizing Solution
 Whole Blood Cardioplegia: Do We Still Need to Dilute?
 Concentrated Del Nido Using the Quest
 Perfusionists Perspective on Using the Quest
 The Custodial Cardioplegia Protocol
 Cardioplegia Demonstration Del Nido for Adults
 Del Nido Cardioplegia Using a Small Circuit
 Angiovac Case Studies
 Cold Agglutinins and Cardiac Surgery
 Developments in the Surgical Management of Hypertrophic Cardiomyopathy
 HIPEC: Hyperthermic Intraperitoneal Chemotherapy
 Immune Mechanisms in Vascular Remodeling: Intimal Hyperplasia
 Ultrafiltration in Cardiopulmonary Bypass
 Minimally Invasive Thrombectomy the AngioVac System
 Strategies for Improving Adequacy during Complex Surgical Repairs Requiring Circulatory Arrest
 End of Case: Autotransfusion
 Goal Directed Fluid Management for Adult Cardiac Patients
 Retrograde Autologous Prime: An Approach to Estimating its Value
 Where our Product Ideas Go to Flourish, Flounder or Flop: a Perspective on Industry-Clinician Product
 Development and Partnership
 Innovations in Perfusion Management: Spectrum Medical
 Dissolving Mysteries, Myths and Legends of Preoperative Fluid Management
 Quantum is Here!

RESEARCH ACADEMY

How to get published
 Introduction to Scientific Research and Writing
 Developing a Consensus Statement
 Evidence Based Practice - A Primer for Perfusionists
 ANOVA: Analysis of Variance (F-test)
 T-Tests and their Non-Parametric Equivalent
 Descriptive Statistics
 Right Sizing CPB Circuits
 A Surgical Perspective: The future of HIPEC and its impact on perfusion
 The Future of Perfusion Technology
 The Search for a Borrowed Heart - Juniper's Story: A Case Report
***Adult Congenital Case Report : Complications from an Anomalous Coronary During a Mitral Valve
 Replacement .5 CEUs**
***Case Report: Application and Experiences of an Adult VAD in the Pediatric Setting
.5 CEUs**

Meeting Location

Date

CEUs

Pro/Con Debate: Who should manage adult congenital patients?

MISCELLANEOUS COURSES

Congenital Heart Disease in Adults: Operating Room Concerns in this Patient Population

Practical Perfusion Considerations in Adult Congenital Cardiac Surgery

***Perfusion Supported Organ Recovery in Kidney Transplantation – A Single Center Experience**
.5 CEUs

***Marginal Gains in Perfusion Utilizing a Dual Cardiotomy Reservoir** **.5 CEUs**

***EVLP: An Evolving Technique** **.5 CEUs**

Standards and Guidelines Updates

***Safety in Perfusion at Mayo Clinic Rochester** **.5 CEUs**

***Building a Culture of Safety MGH** **.5 CEUs**

***Proposal of an AmSECT Center of Excellence** **.5 CEUs**

FMEA Practicum: Improved Patient Care and Safety

Failure Mode Effects Analysis (FMEA): reports how to assess potential safety issues and create reports for your team and institution

***Case Study: Safety of Low Dose Heparin vs. Conventional Heparin Dose Heparin in Post Cardiotomy ECMO Patients** **.5 CEUs**

***Perfusionists Impact on Improving Patient Experience** **.5 CEUs**

***Total Endoscopic Robotic Mitral Valve Surgery (TERMS)** **.5 CEUs**

***An Invitro Emboli Study of the Medtronic Fusion Oxygenator with and without a Medtronic Arterial Filter Compared to Sorin Inspire Oxygenator with Medtronic Arterial Filter**
.5 CEUs

***The Impact of Four different wash solutions on Autotransfusion Products -** **.5 CEUs**

***Perfusion Mobile Guidelines Uses and Benefits** **.5 CEUs**

ABCP Update

***Use of Perfusion Guidelines for Providing Optimal Care for the Patient with Fulminant Myocarditis Treated with a BiVAD as a Bridge to Transplant Using Bivalrudin**
.5 CEUs

***A Case Presentation on the Removal of Saddle Pulmonary Embolus with the Angiovac System and Veno-Arterial ECMO** **.5 CEUs**

***Standards and Guidelines for Accreditation of High-Fidelity Extracorporeal Simulation Programs**
.5 CEUs

***ECMO Interventions** **.5 CEUs**

***Research Project: Rewarming Time on CPB with Postoperative AKI** **.5 CEUs**

***Antithrombin and Heparin does effects on Measures of Anticoagulation in First Five Days of Infant-Pediatric ECMO** **.5 CEUs**

***Maintaining Platelet Function in Whole Blood Stored During Acute Normovolemic Hemodilution: a Look at Temperature** **.5 CEUs**

***Factors Influencing Intraoperative Glycemic Control During Cardiac Surgery with CPB**
.5 CEUs

***Application of Goal-Directed Therapy for the Use of Concentrated Antithrombin for Heparin Resistance During Cardiac Surgery** **.5 CEUs**

Variance in Therapy as Registry Variables

Is it Time for Goal Directed Therapy in Perfusion?

Is Timing Everything?

Will Real-Time Monitoring Technology Be a Game Changer for Perfusion Safety?

Goal Directed Therapy in Critical Care: Why This May Be Relevant for CPB?

Meeting Location**Date****CEUs**

My Mission Trip to Macedonia

Perfusion without Borders: The India Experience

Syncardia Total Artificial Heart Operational Overview and Troubleshooting

3D Printing: A Tool in the Hybrid Approach to CHD

AmSECT UNIVERSITY – 58 Courses approved July 1, 2018 – June 30, 2019

All Courses are 1 CEU each.

COLLEGE OF BLOOD MANAGEMENT

Methodology of Creating Anticoagulation Task Force

Anticoagulation Monitoring: Shouldn't we validate?

Improving Outcomes with Anticoagulation Management

Understanding Coagulation Tests

A Wise Investment for the Patient and the Hospital System

Evidence-based Transfusion Practice and Patient Blood Management Programs

Coagulation Metrics and Blood Product Recommendations

SABM Blood Management Standards

Perfusion's Role in Blood Management Guidelines

Is Patient Blood Management Safe?

Red Cell Preservation

Plasma Substitutes

How to Optimize the Use of Plasma Substitutes, Factor Concentrates and Artificial Bloods in the Real World

Antithrombin - What the perfusionist needs to know

COLLEGE OF EDUCATION

The Perfusion Review Course: Study Tips for Taking High Stakes Exams

The Perfusion Review Course: Acid Base Physiology

Perfusion Review Course: Biochemistry

Perfusion Review Course: Cardiovascular Physiology

Perfusion Review Course - Congenital Acquired Pathology I

Perfusion Review Course - Congenital Acquired Pathology II

Perfusion Review Course - Congenital Acquired Pathology III

Perfusion Review Course - Congenital Acquired Pathology IV

Perfusion Review Course: Drugs and Agents I

Perfusion Review Course: Drugs and Agents II

Perfusion Review Course: Drugs and Agents III

Perfusion Review Course Drugs Common to Perfusion

Perfusion Review Course: Mathematics for Perfusion Technology

Perfusion Review Course: Myocardial Protection

Perfusion Review Course: Perfusion Equipment and Components

Perfusion Review Course: Perfusion Methodology - Mechanical Assist Devices I

Perfusion Review Course: Perfusion Methodology - Mechanical Assist Devices II

Perfusion Review Course: Perfusion Methodology - Pediatrics Part I Preparation

Perfusion Review Course: Perfusion Methodology - Pediatrics Part II Practice

Perfusion Review Course: Perfusion Methodology - Routine CPB

Perfusion Review Course: Perfusion Methodology - Routine CPB II

Perfusion Review Course: Perfusion Methodology - Special CPB Procedures I

Perfusion Review Course: Perfusion Methodology - Special CPB Procedures II

Perfusion Review Course: Perfusion Methodology - Physiology of Non-Blood Fluids

Meeting Location**Date****CEUs**

Perfusion Review Course: Perfusion Methodology - Renal Physiology
Perfusion Review Course: Perfusion Methodology - Respiratory Anatomy I
Perfusion Review Course: Perfusion Methodology - Respiratory Anatomy II
Perfusion Review Course: Perfusion Methodology - Respiratory Anatomy III
Review Course: Adult Cardiac and Vascular Anatomy
Physiology of Blood Fluids

THE COLLEGE OF LEADERSHIP

Blending Industry and Clinical Practice to Achieve Standards and Guidelines
Alphabet Soup: Costs, Charges, Administrative Data and Clinical Data

COLLEGE OF LIFE SCIENCES

Endocrine, Metabolic and Splanchnic Changes on CPB
Hypoplastic Left Heart Syndrome: A Hybrid Approach
Endothelial Glycocalx: Microbubble Damage and Tissue Edema
Understanding Microvasculature from the Research Bench to the Operating Room

COLLEGE OF MECHANICAL CIRC SUPPORT

Continuous Renal Replacement Therapy
Introduction to ECMO
Principles of VA ECMO
Principles of VV ECMO
Ethics in ECLS Care

COLLEGE OF PERIOPERATIVE SERVICES

Introduction to Ventilation
Myocardial Protect: A Topic We Take for Granted

MISCELLANEOUS COURSES

Practical Perfusion Considerations in Adult Congenital Cardiac Surgery

**2019 PerfWeb 1– 22 Courses approved January 10, 2019 – January 10, 2020
CEUs as listed**

PerfWeb 1 - **4.2 CEUs** - Transcranial Doppler and Simplifying Minimally Invasive MVR
PerfWeb 2 - **2.7 CEUs** - Generational differences in the perfusion workforce and the Business of perfusion
PerfWeb 3 - **2.6 CEUs** - ECMO Who should watch it?
PerfWeb 4 - **4.2 CEUs** - RAPP Vs. UF, Transfusions and Alarm Desensitization and check lists.
PerfWeb 5 - **4.8 CEUs** - Basic X-Ray, CT and TEE for the perfusionist.
PerfWeb 6 - **2.5 CEUs** - Cardioplegia and ECMO management
PerfWeb 7 - **2.6 CEUs** - Advancements in perfusion and AngioVac
PerfWeb 8 - **2.4 CEUs** - Validating Graft Patency
PerfWeb 9 - **2.4 CEUs** - Nutrition and CV disease and the benefits of Cannabinoids.
PerfWeb 10 - **4.8 CEUs** - AngioVac, Cerebral Oximetry, Cerebral Embolic Protection
PerfWeb 11 - **2.6 CEUs** - CRRT/CVVH What is it and why should we use it.
PerfWeb 12 - **2.4 CEUs** - PerfWeb 12 – ECMO: Measurement Of Adequacy, Cannulation, North/South

Meeting Location**Date****CEUs**

Complication, Anticoagulation And Weaning, And What Patients Can Be Woken Up And Extubated On VV ECMO?

PerfWeb 13 - **2.4 CEUs** - Cerebral Embolic Protection Devices

PerfWeb 14 - **2.4 CEUs** - Arguments for and Against State Licensure

PerfWeb 15 - **2.4 CEUs** - Charting, E-Charting and Eval of LivaNova Connect

PerfWeb 16 - **2.0 CEUs** - Pump Stand-By and Dealing with Natural Disasters

PerfWeb 17 - **2.5 CEUs** - Pediatric Refresher for the Adult Perfusionist.

PerfWeb 18 - **2.5 CEUs** - Multi-camera view of the pump, operative field and hemodynamic monitors.

PerfWeb 19 - **2.0 CEUs** - Novel anticoagulants: Management of Coagulation

PerfWeb 20 - **2.0 CEUs** - Priming solution and volume management during CPB.

PerfWeb 21 - **2.5 CEUs** - Understanding how TEG works and interpreting the graphs

PerfWeb 22 - **2.5 CEUs** - Antegrade or Retrograde isolated perfusion.

2019 Perfusion Education – 10 Courses approved January 15, 2019 – January 15, 2020
All Courses are 1 CEU each.

Non-Tuberculous Mycobacteria (NTM): What are the facts? Part 1 and Part 2

Infections in Cardiac Surgery - How Prevalent Is This?

Future Trends in Mechanical Support

Take A Life, Give A Life

Baby Fae

Xenotransplantation-The Future of Heart Transplantation?

Perfusion and the Law: From Soup to Nuts

The Expert Witness

Line Placement in The Current Era - State Of The Art

The Other Guys Tool Box. Survival Through Diversification

Society of Thoracic Surgeons

53.9 SDCEs

AQO: Adult Cardiac Surgery Database Sessions

14.7

AQO: Congenital Heart Surgery Database Sessions

13.1

AQO: Adult & Congenital Surgery Database Sessions

26.1

Expires December 12, 2019

https://www.sts.org/sites/default/files/documents/2018_AQO_Preliminary_Agenda_1.pdf

AmSECT Flipped Classroom – 7 Courses approved February 8, 2019 – December 31, 2019. All Courses are 1 CEU each.

Goal Directed Therapy in Critical Care

Is it Time for Goal-Directed Therapy in Perfusion

Is Timing Everything

Variance in Therapy and Registry Variables

The Goal Directed Perfusion Trial in Cardiac Surgery

AmSECT Adult Standards and Guidelines

Perfusion Education (PerfWeb 23 Part 1 & 2, & PerfWeb 24 Part 3 & 4) – 4 Courses approved April 23, 2019 – March 23, 2020

PerfWeb 23 - 3 CEUs - Concepts in ECMO part 1 - ECMO, kidney injury, UF and ECMO economics.

PerfWeb 23 – 2 CEUs - Concepts in ECMO part 2 - ECMO patient selection, CRRT, cannulation

PerfWeb 24 – 3 CEUs - Concepts in ECMO part 3 - ECMO Circuit, ECMO staffing

PerfWeb 24 – 4 CEUs - Concepts in ECMO part 4 - ECMO and Survival, ECMO anticoagulation, Plasma adsorption.

www.Library.PerfusionEducation.com

AmSECT UNIVERSITY Courses approved July 1, 2019 – July 1, 2020

All Courses are 1 CEU each.

www.amsectu.org

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Perfusion Review Course: Biochemistry

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Perfusion Review Course: Drugs and Agents II

Perfusion Review Course: Drugs and Agents III

Perfusion Review Course: Drugs Common to Perfusion

Perfusion Review Course: Mathematics for Perfusion Technology

Perfusion Review Course: Myocardial Protection

Perfusion Review Course: Perfusion Equipment and Components

Perfusion Review Course: Perfusion Methodology - Mechanical Assist Devices I

Perfusion Review Course: Perfusion Methodology - Mechanical Assist Devices II

Meeting Location

Date

CEUs

Perfusion Review Course: Perfusion Methodology - Pediatrics Part I Preparation
 Perfusion Review Course: Perfusion Methodology - Pediatrics Part II Practice
 Perfusion Review Course: Perfusion Methodology - Routine CPB
 Perfusion Review Course: Perfusion Methodology - Routine CPB II
 Perfusion Review Course: Perfusion Methodology - Special CPB Procedures I
 Perfusion Review Course: Perfusion Methodology - Special CPB Procedures II
 Perfusion Review Course: Perfusion Methodology - Physiology of Non-Blood Fluids
 Perfusion Review Course: Perfusion Methodology - Renal Physiology
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 Perfusion Review Course: Perfusion Methodology - Respiratory Anatomy II
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Introduction to Ventilation
 Myocardial Protect: A Topic We Take for Granted

MISCELLANEOUS COURSES

Practical Perfusion Considerations in Adult Congenital Cardiac Surgery

www.amsectu.org

| | |
|---|-----------|
| <i>Nashville Perfusion Conference</i> | 9.8 SDCEs |
| Adult Coronary Artery Pathology and Treatment | 3.0 |
| Castrophe Management and Prevention | 3.0 |

Expires October 12, 2020

www.NashvillePerfusionConference.com

PerfWeb SDCE Programs – PerfWebs 23-25 & TNOC 37 Courses approved

| Meeting Location | Date | CEUs |
|---|--|-------------------|
| August 1, 2019 – August 1, 2020 | | 53.6 SDCEs |
| PerfWeb 23 Day 1 – Bundle | | 2.76 |
| PerfWeb 23 Day 2 – Bundle | | 2.76 |
| Delivery of Oxygen and AKI | | 0.60 |
| CPB and Phenylephrine Contributes to AKI | | 0.68 |
| ECMO Economics | | 1.48 |
| ECMO and CRRT | | 0.84 |
| ECMO patient selection | | 0.98 |
| ECMO Cannulation | | 0.94 |
| PerfWeb 24 Day 1 – Bundle | | 2.88 |
| PerfWeb 24 Day 2 – Bundle | | 2.90 |
| ECMO Circuit Design | | 0.96 |
| The Tools to Deliver ECMO | | 0.72 |
| ECMO Staffing Models | | 1.20 |
| ECMO and Survival | | 0.94 |
| ECMO and Anticoagulation | | 1.14 |
| ECMO and Plasma Adsorption Therapy | | 0.82 |
| PerfWeb 25 Day 1 – Bundle | | 2.18 |
| PerfWeb 25 Day 2 – Bundle | | 3.16 |
| What are the Drivers of Urine Production? | | 0.84 |
| What is AKI? | | 0.48 |
| Does UF on CPB Reduce Urine output? | | 0.86 |
| Organ Crosstalk: Cardio-Renal Syndrome | | 0.80 |
| Fluid Overload is Deadly | | 1.06 |
| How ECMO Contributes to Kidney Dysfunction & Casually Participates of AKI | | 1.30 |
| The New Orleans Conference 2019 Day 1 – Bundle | | 2.16 |
| Fluid and Blood Volume Management | | 0.60 |
| Transfusion – When and Why | | 0.30 |
| The Physiology of Fluid Management | | 1.26 |
| The New Orleans Conference 2019 Day 2 – Bundle | | 5.10 |
| Validation Graft Patency | | 1.62 |
| A True Story of Fire in the Heart Room | | 0.48 |
| Ethical Consideration for Allied Health Professionals | | 1.14 |
| Sutureless Valves-An Excellent Option for SAVR | | 1.14 |
| Perfusion Standby for TAVR | | 0.72 |
| The New Orleans Conference 2019 Day 3 – Bundle | | 2.90 |
| Telemonitoring and The Remote Intensivist | | 1.92 |
| An Interview With the AmSECT President: What is His Vision for the Future | | 0.98 |
| | www.perfusioneducation.com | |
| Innovative ECMO Concepts Online ECMO Courses approved | | |
| January 27, 2020 – January 27, 2021 | | 38.6 SDCEs |
| Introduction to ECMO (General) | | 1.08 |
| Complete Circuit Exam (General) | | 2.32 |

| Meeting Location | Date | CEUs |
|---|------|------|
| ECLS Physics (General) | | 1.80 |
| VV vs. VA (General) | | 2.32 |
| Pre-ECLS to Initiation (General) | | 1.04 |
| ECPR (General) | | 1.04 |
| Basic Anticoagulation (General) | | 1.56 |
| Advanced Anticoagulation (General) | | 2.60 |
| Anticoagulation Equipment (General) | | 0.92 |
| Daily Patient Management (General) | | 1.80 |
| Daily Circuit Management (General) | | 1.20 |
| Emergencies and Complications – Medical (General) | | 0.68 |
| Emergencies and Complications – Mechanical (General) | | 0.64 |
| Awake, Ambulation and Physical Rehabilitation (General) | | 1.28 |
| Weaning and Decannulation (General) | | 1.00 |
| ECLS Reimbursement (General) | | 0.88 |
| Basic Ventilation (General) | | 1.64 |
| Advanced Ventilation (General) | | 3.40 |
| Adult Indications (Adult) | | 0.88 |
| Adult Cannula Selection (Adult) | | 2.64 |
| Adult Blood and Blood Products (Adult) | | 1.12 |
| Adult Outcomes (Adult) | | 0.80 |
| Pediatric Indications (Pediatric) | | 1.04 |
| Pediatric Outcomes (Pediatric) | | 1.16 |
| Pediatric Cannula Selection (Pediatric) | | 2.56 |
| Pediatric Blood and Blood Products (Pediatric) | | 1.20 |

www.innovativeecmo.com

STS 56th Annual Meeting – 78 Courses approved

March 12, 2020 – March 12, 2021

74.7 SDCEs

Tech-Con Adult Cardiac: Ischemic, Heart Failure, and Atrial Fibrillation
 Tech-Con General Thoracic Potpourri
 Tech-Con Adult Cardiac: New Technologies in Aortic and Structural Heart Disease
 Tech-Con General Thoracic
 Multidisciplinary Care in Cardiac Surgery
 MyTube: Adult Cardiac Video and Expert Panel Session
 MyTube: Congenital Video and Expert Panel Session
 My Tube: Pushing the Limits of Minimally Invasive Thoracic Surgery and Avoiding Pitfalls
 Managing Esophagectomy Complications
 Utilizing the STS Database in Your Daily Practice
 Failures, Successes, and Resilience in Research (Organized by Women in Thoracic Surgery)
 Adult Cardiac Surgery S.O.S.
 Congenital Cardiac Surgery S.O.S.
 Residents Symposium - Transition from Training to Practice
 The Annals Academy: The Editor's Pick - Top Papers and Why
 State-of-the-Art Management of Pulmonary Embolism
 STS/CATS: Surgery for Advanced Stage Cancer - When is Out of Bounds Not Out of Bounds?
 Meet the Experts: Lymphatic Intervention After Congenital Heart Surgery

Meeting Location**Date****CEUs**

Mesothelioma: Still a Surgical Disease?
Ethics Debate: Should Opioid Addicts Have a Second Valve Replacement for Endocarditis?
Temporary Mechanical Support for Post-Cardiotomy Shock
Vivien T. Thomas Symposium: STS and ACC Diversity and Inclusion Efforts
STS Advocacy: Supporting the Specialty and Your Patients
Evolving Impact: TAVR in Low Risk Patients - Results and Impact of the Evolut Low Risk and PARTNER 3 Trials
Meet the Experts: STS/ACS Thoracic Surgery Verification
Adult Cardiac: Arrhythmia/Atrial Fibrillation
Adult Congenital Heart Disease
Adult Cardiac: Advanced Heart Failure
General Thoracic Basic Science Research
What's New in Esophageal Cancer
Using the STS National Database for Research
Vivien T. Thomas Lecture: Clyde Yancy
STS/SCA: Cardiac and Thoracic ERAS
What's New in Thoracic Oncology?
Pediatric Congenital I
Introduction to Cardiothoracic Health Services Research
STS/ESTS: Getting out of Trouble - Rescue Surgery After Common Nightmare Situations
Career Navigation and Development: How to Take Your Career to the Next Level
STS/EACTS: Bicuspid Aortic Valve Repair with Aortic Root Aneurysm: Techniques and Outcomes
Adult Cardiac Basic Science Research
Plenary Session (Monday)
Heart Team Approach to Mitral Regurgitation and Atrial Fibrillation
General Thoracic: Lung Transplantation
Adult Cardiac: Ischemic
Pediatric Congenital II
Adult Cardiac: Aorta (Dissection)
General Thoracic: Lung Cancer Big Data
Cardiothoracic Surgical Education and Professional Development
ECMO for the Current Practice
Education Summit: Training Residents Today to Thrive in 2030
Thomas B. Ferguson Lecture
STS/ISHLT
Rescuing the Right Ventricle: Prevention and Intervention
Adult Cardiac: General
Adult Cardiac: Mitral/Tricuspid
Pediatric Congenital III
General Thoracic: Mediastinal/Pulmonary
General Thoracic: Lung Cancer Disparities and Innovation
Avoiding Practice Extinction: Staying Relevant with New Technologies and Techniques
STS/CSCS: CABG for the Pragmatic Idealist
Application of Artificial Intelligence/Machine Learning Approaches for Risk Prediction in Cardiothoracic Surgery
Plenary Session (Tuesday)
Quality Improvement
Critical Care Research

Meeting Location**Date****CEUs**

Meet the Experts: Current State of Fetal Cardiac Intervention
 Building a Thoracic Robotics Program
 SVS/STS: The Aorta Service Line
 Reoperative Adult Cardiac Surgery
 Health Policy Forum: Navigating MIPS and APMs in 2020
 Meet the Experts: Cardiothoracic Surgery in the Military
 Adult Cardiac: Aortic
 Adult Cardiac: Aortic Valve
 Congenital Video Session
 General Thoracic Video Session
 General Thoracic: Esophageal
 Adult Cardiac: Aorta II (Thoracic Aortic Aneurysms)
 Beyond Burnout: What you Should Know and Do Going Forward
 STS/CHEST: Optimizing Clinical Care for the Lung Cancer Patient—From Screening to Diagnosis and Treatment

<https://www.sts.org/meetings/calendar-of-events/sts-56th-annual-meeting>

2020 ASAIO Virtual Meeting (on-demand) – 34 courses approved**June 1, 2020 – June 1, 2021**

32.9 SDCEs

ON DEMAND TOP ABSTRACTS SESSION

Top Abstracts Session 1.00 credit

TOTAL CREDITS: 1.00

ON DEMAND STUDENT DESIGN SESSION

Student Design Session 1.00 credit

TOTAL CREDITS: 1.00

ON DEMAND BIOENGINEERING SESSIONS

Bioengineering Session 1 1.00 credit

Bioengineering Session 2 1.00 credit

Bioengineering Session 3 1.00 credit

Bioengineering Session 4 1.00 credit

Bioengineering Session 5 1.00 credit

Bioengineering Session 6 1.00 credit

TOTAL CREDITS: 6.00

ON DEMAND CARDIAC SESSIONS

Cardiac Session 1 1.00 credit

Cardiac Session 2 1.00 credit

Cardiac Session 3 1.00 credit

Cardiac Session 4 1.00 credit

Cardiac Session 5 1.00 credit

TOTAL CREDITS: 5.00

ON DEMAND CRITICAL CARE SESSIONS

Critical Care Session 1 1.00 credit

| Meeting Location | Date | CEUs |
|-------------------------------------|-------------|---------------------|
| Critical Care Session 2 | 1.00 credit | |
| | | TOTAL CREDITS: 2.00 |
| ON DEMAND NURSING SESSION | | |
| Nursing Session 1 | 1.25 credit | |
| | | TOTAL CREDITS: 1.25 |
| ON DEMAND PEDIATRIC SESSIONS | | |
| Pediatric Session 1 | 1.00 credit | |
| Pediatric Session 2 | 1.00 credit | |
| | | TOTAL CREDITS: 2.00 |
| ON DEMAND PULMONARY SESSIONS | | |
| Pulmonary Session 1 | 1.00 credit | |
| Pulmonary Session 2 | 1.00 credit | |
| Pulmonary Session 3 | 1.00 credit | |
| Pulmonary Session 4 | 1.00 credit | |
| | | TOTAL CREDITS: 4.00 |
| ON DEMAND RENAL SESSIONS | | |
| Renal Session 1 | 1.00 credit | |
| Renal Session 2 | 1.00 credit | |
| | | TOTAL CREDITS: 2.00 |
| ON DEMAND POSTER SESSIONS | | |
| Bioengineering Poster Session 1 | 1.25 credit | |
| Cardiac Poster Session 2 | 1.00 credit | |
| Cardiac Poster Session 3 | 1.00 credit | |
| Cardiac Poster Session 4 | 1.00 credit | |
| Cardiac Poster Session 5 | 1.00 credit | |
| Cardiac Poster Session 6 | 1.00 credit | |
| Critical Care Poster Session | 7.25 credit | |
| Nursing Poster Session 8 | .50 credit | |
| Pediatric Poster Session 9 | .50 credit | |
| Pulmonary Poster Session 10 | .25 credit | |
| Renal Poster Session 11 | .25 credit | |
| | | TOTAL CREDITS: 8.0 |
| | | FINAL TOTAL= 32.25 |

<https://asaio.org/conference/>

Characteristics of Blood and Blood Transfusion Basics – 6 courses approved
June 30, 2020 – June 31, 2021 50.00 SDCEs

| | |
|---|---------------------|
| BLOOD DISCOVERIES | TOTAL CREDITS 8.00 |
| Discuss the Main Functions of Blood | |
| BLOOD COMPONENTS | TOTAL CREDITS 10.00 |
| Identify Components of Blood and Explain the Function of Each Component | |

| Meeting Location | Date | CEUs |
|---|------|---------------------|
| BLOOD COAGULATION | | TOTAL CREDITS 5.00 |
| Describe the Process of Blood Coagulation | | |
| BLOOD GROUPS | | TOTAL CREDITS 15.00 |
| Explain the ABO Blood Groups and RH Type | | |
| BLOOD TRANSFUSION COMPLICATIONS | | TOTAL CREDITS 7.00 |
| Delineate Indications for and Complications Associated with Blood Transfusions | | |
| SUMMARY | | TOTAL CREDITS 5.00 |
| https://www.pfiedlereducation.com/diweb/catalog/item/eid/1395-2020 | | |
| The ECMO Course – 4 courses approved | | |
| September 11, 2020 – September 11, 2021 | | 12.00 SDCEs |
| PHYSIOLOGY | | TOTAL CREDITS 2.46 |
| ECMO FUNDAMENTALS | | TOTAL CREDITS 2.66 |
| ECMO PHYSIOLOGY | | TOTAL CREDITS 3.50 |
| ECMO MANAGEMENT | | TOTAL CREDITS 3.38 |
| Principles of Intraoperative Cell Salvage: Blood Collection, Processing, and Reinfusion | | |
| – 4 courses approved | | |
| August 26, 2020 – August 26, 2021 | | 58.00 SDCEs |
| PROCESS OF INTRAOPERATIVE CELL SALVAGE | | TOTAL CREDITS 9.00 |
| Identify the indications for intraoperative cell salvage | | |
| REINFUSION | | TOTAL CREDITS 34.00 |
| Explain the process of intraoperative cell salvage, including blood recovery, processing, and reinfusion | | |
| CELL SALVAGE DEVICES | | TOTAL CREDITS 8.00 |
| Delineate the equipment and supplies used for intraoperative cell salvage and describe the function of each | | |
| SUMMARY | | TOTAL CREDITS 7.00 |
| Discuss relative and absolute contraindications and complications associated with intraoperative cell salvage | | |
| https://www.pfiedlereducation.com/diweb/catalog/item/eid/1395-02 | | |
| Autologous Blood Transfusion and Cell Salvage: Clinical Applications – 6 courses approved | | |
| September 8, 2020 – September 8, 2021 | | 1.92 SDCEs |
| OVERVIEW | | TOTAL CREDITS .08 |
| Define Autologous blood transfusion and cell salvage | | |
| AUTOLOGOUS TRANSFUSION | | TOTAL CREDITS .06 |
| Explain methods used for autologous blood transfusion | | |
| AUTOLOGOUS DETAILS | | TOTAL CREDITS .22 |
| Delineate the advantages and disadvantages of red cell salvage | | |
| INTRAOPERATIVE CELL SALVAGE | | TOTAL CREDITS .24 |
| Describe the characteristics of salvaged blood | | |

| Meeting Location | Date | CEUs |
|--|------|-------------------|
| SALVAGED BLOOD Identify methods used to assess the quality of salvaged blood | | TOTAL CREDITS .44 |
| REALTIVE CONTRAINDICATIONS Discuss the clinical indications for intraoperative cell salvage | | TOTAL CREDITS .88 |
| SUMMARY | | |

**ECMO Management of Oxygenator Clotting – 3 courses approved
September 24, 2020 – September 24, 2021** 1.20 SDCEs

| | | |
|---|--|-------------------|
| Treatment of Critically Ill COVID-19 Patients – Ventilation and Beyond Discussion of ventilation failures in COVID-19 patients and how ECMO has been deployed for patients not responding to conventional therapies. | | TOTAL CREDITS .40 |
| VV-ECMO in COVID-19 Patients Discuss the success and failures of one institutions experience including new strategies to coordinate circuit component changes due to increase coagulopathy. | | TOTAL CREDITS .40 |
| Clinical Tools to Detect Thrombus Formation During ECLS Discussion of new research and opportunities for detection of clot formation for a range of ECLS patients. | | TOTAL CREDITS .40 |

<https://info.transonic.com/webinar/ecmo-oxygenatorclotting>

**Innovative ECMO Concepts Online ECMO Courses approved
February 11, 2021 – February 11, 2022** 38.6 SDCEs

| | |
|---|------|
| Introduction to ECMO (General) | 1.08 |
| Complete Circuit Exam (General) | 2.32 |
| ECLS Physics (General) | 1.80 |
| VV vs. VA (General) | 2.32 |
| Pre-ECLS to Initiation (General) | 1.04 |
| ECPR (General) | 1.04 |
| Basic Anticoagulation (General) | 1.56 |
| Advanced Anticoagulation (General) | 2.60 |
| Anticoagulation Equipment (General) | 0.92 |
| Daily Patient Management (General) | 1.80 |
| Daily Circuit Management (General) | 1.20 |
| Emergencies and Complications – Medical (General) | 0.68 |
| Emergencies and Complications – Mechanical (General) | 0.64 |
| Awake, Ambulation and Physical Rehabilitation (General) | 1.28 |
| Weaning and Decannulation (General) | 1.00 |
| ECLS Reimbursement (General) | 0.88 |
| Basic Ventilation (General) | 1.64 |
| Advanced Ventilation (General) | 3.40 |
| Adult Indications (Adult) | 0.88 |
| Adult Cannula Selection (Adult) | 2.64 |
| Adult Blood and Blood Products (Adult) | 1.12 |
| Adult Outcomes (Adult) | 0.80 |
| Pediatric Indications (Pediatric) | 1.04 |
| Pediatric Outcomes (Pediatric) | 1.16 |

| Meeting Location | Date | CEUs |
|---|------|------------------|
| Pediatric Cannula Selection (Pediatric) | | 2.56 |
| Pediatric Blood and Blood Products (Pediatric) | | 1.20 |
| www.innovativeecom.com | | |
| AmSECT 59th International Conference- A Virtual Experience- Course approved | | |
| May 1, 2021- May 1, 2022 | | 26.4 CEUs |
| Blood Management | | 1.2 |
| ECMO | | 1.8 |
| ECLS | | 1.2 |
| Teamwork and Communication | | 1.8 |
| Standards and Guidelines | | 1.2 |
| ERAS + GDP | | 1.8 |
| Myocardial Protection | | 1.2 |
| The Appetizer and the Dessert | | 1.8 |
| Goal-Directed Education: German Concepts in Teaching and Training | | 1.2 |
| New Perfusionist Toolkit | | 1.2 |
| Mechanical Circulatory Support and Transplant | | 1.8 |
| Vendor Equipment Update & PediPERForm | | 1.2 |
| Advanced Clinical Techniques | | 1.8 |
| Highlights from ISECT 2021 | | 1.2 |
| What We've Learned from COVID | | 1.2 |
| Advancing Quality Measures for Perfusion | | 1.8 |
| COVID Impact in Pediatrics | | 1.2 |
| Scientific Abstracts | | 1.8 |
| https://www.amsect.org/p/cm/Id/fid=1740 | | |