SCDE Opportunities 2019-2024

May 11, 2023 – May 11, 2024
The ECMO Course

11.98 CEUs

PHYSIOLOGY
TOTAL CREDITS 2.46

ECMO FUNDAMENTALS
TOTAL CREDITS 2.66

ECMO PHYSIOLOGY
TOTAL CREDITS 3.48

ECMO MANAGEMENT
TOTAL CREDITS 3.38

http://ecmocourse.com
May 1, 2021 – May 1, 2022
AmSECT 59th International Conference

- 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/ld/fid=1740
Innovative ECMO Concepts

- 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
- Pediatric Cannula Selection (Pediatric) 2.56
- Pediatric Blood and Blood Products (Pediatric) 1.20

www.innovativeecom.com
ECMO Management of Oxygenator Clotting

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.

VV-ECMO in COVID-19 Patients
Discuss the success and failures of one institution’s experience including new strategies to coordinate circuit component changes due to increase coagulopathy.

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.

https://info.transonic.com/webinar/ecmo-oxygenatorclotting
### SCDE Opportunities 2019-2024

**September 11, 2020 – September 11, 2021**  
**12.00 SDCEs**

#### The ECMO Course

<table>
<thead>
<tr>
<th>Course</th>
<th>Total Credits</th>
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<tbody>
<tr>
<td>PHYSIOLOGY</td>
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<td>ECMO FUNDAMENTALS</td>
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<td>ECMO PHYSIOLOGY</td>
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<td>ECMO MANAGEMENT</td>
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SCDE Opportunities 2019-2024

September 8, 2020 – September 8, 2021

Autologous Blood Tranfusion and Cell Salvage: Clinical Applications

<table>
<thead>
<tr>
<th>OVERVIEW</th>
<th>TOTAL CREDITS 0.08</th>
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<tr>
<td>Define Autologous blood transfusion and cell salvage</td>
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<table>
<thead>
<tr>
<th>AUTOLOGOUS TRANSFUSION</th>
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<tbody>
<tr>
<td>Explain methods used for autologous blood transfusion</td>
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<table>
<thead>
<tr>
<th>AUTOLOGOUS DETAILS</th>
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<tr>
<td>Delineate the advantages and disadvantages of red cell salvage</td>
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<table>
<thead>
<tr>
<th>INTRAOPERATIVE CELL SALVAGE</th>
<th>TOTAL CREDITS 0.24</th>
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<tr>
<td>Describe the characteristics of salvaged blood</td>
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<table>
<thead>
<tr>
<th>SALVAGED BLOOD</th>
<th>TOTAL CREDITS 0.44</th>
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<tr>
<td>Identify methods used to assess the quality of salvaged blood</td>
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<thead>
<tr>
<th>REALTIVE CONTRAINICATIONS</th>
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<tr>
<td>Discuss the clinical indications for intraoperative cell salvage</td>
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SUMMARY
**SCDE Opportunities 2019-2024**

**August 26, 2020 – August 26, 2021**

**Principles of Intraoperative Cell Salvage:**

**Blood Collection, Processing, and Reinfusion**

<table>
<thead>
<tr>
<th>Section</th>
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<tr>
<td>PROCESS OF INTRAOPERATIVE CELL SALVAGE</td>
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<tr>
<td>REINFUSION</td>
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<td>CELL SALVAGE DEVICES</td>
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<td>SUMMARY</td>
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**TOTAL CREDITS:** 58.00 SDCEs

- **Identify the indications for intraoperative cell salvage**
- **Explain the process of intraoperative cell salvage, including blood recovery, processing, and reinfusion**
- **Delineate the equipment and supplies used for intraoperative cell salvage and describe the function of each**
- **Discuss relative and absolute contraindications and complications associated with intraoperative cell salvage**

[https://www.pfiedlereducation.com/diweb/catalog/item/eid/1395-02](https://www.pfiedlereducation.com/diweb/catalog/item/eid/1395-02)
June 30, 2020 – June 31, 2021

Characteristics of Blood and Blood Transfusion Basics

- **BLOOD DISCOVERIES**
  Discuss the Main Functions of Blood

- **BLOOD COMPONENTS**
  Identify Components of Blood and Explain the Function of Each Component

- **BLOOD COAGULATION**
  Describe the Process of Blood Coagulation

- **BLOOD GROUPS**
  Explain the ABO Blood Groups and RH Type

- **BLOOD TRANSFUSION COMPLICATIONS**
  Delineate Indications for and Complications Associated with Blood Transfusions

**SUMMARY**

TOTAL CREDITS 8.00

TOTAL CREDITS 10.00

TOTAL CREDITS 5.00

TOTAL CREDITS 15.00

TOTAL CREDITS 7.00

TOTAL CREDITS 5.00

https://www.pfiedlereducation.com/diweb/catalog/item/eid/1395-2020
**SCDE Opportunities 2019-2024**

**June 1, 2020 – June 1, 2021**

**2020 ASAIO Virtual Meeting (on-demand)**

32.9 SDCEs

### ON DEMAND TOP ABSTRACTS SESSION

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### ON DEMAND STUDENT DESIGN SESSION

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**TOTAL CREDITS:** 1.00

### ON DEMAND BIOENGINEERING SESSIONS

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**TOTAL CREDITS:** 6.00

### ON DEMAND CARDIAC SESSIONS

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<td>Cardiac Session 5</td>
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**TOTAL CREDITS:** 5.00

### ON DEMAND CRITICAL CARE SESSIONS

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**TOTAL CREDITS:** 2.00

### ON DEMAND NURSING SESSION

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**TOTAL CREDITS:** 1.25

### ON DEMAND PEDIATRIC SESSIONS

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**TOTAL CREDITS:** 2.00

### ON DEMAND PULMONARY SESSIONS

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**TOTAL CREDITS:** 2.00
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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/
SCDE Opportunities 2019-2024

March 12, 2020 – March 12, 2021
STS 56th Annual Meeting

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
- 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
SCDE Opportunities 2019-2024

- 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
- 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
SCDE Opportunities 2019-2024

- STS/CHEST: Optimizing Clinical Care for the Lung Cancer Patient—From Screening to Diagnosis and Treatment

https://wwwsts.org/meetings/calendar-of-events/sts-56th-annual-meeting
Innovative ECMO Concepts

- Introduction to ECMO (General) 1.08
- Complete Circuit Exam (General) 2.32
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- Pediatric Outcomes (Pediatric) 1.16
- Pediatric Cannula Selection (Pediatric) 2.56
- Pediatric Blood and Blood Products (Pediatric) 1.20

www.innovativeecmo.com
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August 1, 2019 – August 1, 2020

PerfWeb & TNOC

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