

SCDE Opportunities 2020-2025

July 1, 2024 – June 30, 2025
AmSECT University Annual SDCE

50 CEUs

(1 CEU per Course)

- A Novel Perfusion Performance Scoring System
- Acute Kidney Injury Part 1 of 2
- Acute Kidney Injury Part 2 of 2
- Antithrombin: What a clinician needs to know
- Could Clinical Outcome Registries Bring us Closer to Consensus?
- Custodial Cardioplegia: A Single-dose Hyperpolarizing Solution
- Del Nido Cardioplegia and Myocardial Protection: The Topic We Take for Granted
- Disaster Preparedness
- ECLS Equipment
- Evidence-based Transfusion Practice in Cardiac Surgery
- Evidence-based Transfusion Practice
- Importance and Implantation of Policy, protocols;
- Introduction to Acute Normovolemic Hemodilution (ANH)
- Introduction to ECLS
- Introduction to ECMO
- Introduction to Hemostasis
- Introduction to Team Steps
- Patient Blood Management Specialist (PBMS) Exam Review Course - Anatomy
- Patient Blood Management Specialist (PBMS) Exam Review Course - Blood
- Patient Blood Management Specialist (PBMS) Exam Review Course - Cell Savers
- Patient Blood Management Specialist (PBMS) Exam Review Course - Everything Else - Special Techniques, Quality and Safety;
- Principles of VA ECMO
- Principles of Venovenous ECMO
- Perfusion Staffing Models and the N+1
- TeamSteps (Situational Monitoring, Mutual Support)
- TeamSteps (Team Structure, Communication, Leadership)
- TEG: Clinician Training
- The Essential Role of Leadership in Establishing a “Just Culture”
- The Science and Pathophysiology of Myocardial Ischemic Injury
- Whole Blood Cardioplegia: Do We Still Need to Dilute?
- Whole Blood Transfusion
- Examining the changing landscape of Adult Heart Failure
- Acute Cardiogenic Shock – The Role of Evidence based Treatment Programs
- Blood Transfusion Guidelines
- Certified Adult ECMO Specialist (CES-A) Exam Review Course: Part I
- Certified Adult ECMO Specialist (CES-A) Exam Review Course: Part 2
- Certified Adult ECMO Specialist (CES-A) Exam Review Course: Part 3
- Certified Adult ECMO Specialist (CES-A) Exam Review Course: Part 4
- A Novel Perfusion Performance Scoring System to Improve Team Performance
- Goal Directed Perfusion in Vulnerable Patients for Acute Kidney Injury

SCDE Opportunities 2020-2025

- History of Quality Improvement
- Houston we have a problem
- Implementing Quality Improvement: In-house Design and Analyses
- iNO into CPB Oxys
- Pediatric Cardiopulmonary Bypass Management
- Pediatric ECMO
- Pediatric Heart Failure / VADS Outcomes & Innovations
- Pediatric Quality Initiatives
- Pediatric Strategies and Innovations: An Update
- Quality Improvement: Going from "Good Catch" to QI

<https://www.amsect.org/>

SCDE Opportunities 2020-2025

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>

SCDE Opportunities 2020-2025

May 1, 2021 – May 1, 2022
AmSECT 59th International Conference

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>

SCDE Opportunities 2020-2025

February 11, 2021 – February 11, 2022
Innovative ECMO Concepts

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

www.innovativeecom.com

SCDE Opportunities 2020-2025

September 24, 2020 – September 24, 2021
ECMO Management of Oxygenator Clotting

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 0.40

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 0.40

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 0.40

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

SCDE Opportunities 2020-2025

September 11, 2020 – September 11, 2021
The ECMO Course

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

SCDE Opportunities 2020-2025

September 8, 2020 – September 8, 2021

1.92 SDCEs

Autologous Blood Transfusion and Cell Salvage: Clinical Applications

OVERVIEW

Define Autologous blood transfusion and cell salvage

TOTAL CREDITS 0.08

AUTOLOGOUS TRANSFUSION

Explain methods used for autologous blood transfusion

TOTAL CREDITS 0.06

AUTOLOGOUS DETAILS

Delineate the advantages and disadvantages of red cell salvage

TOTAL CREDITS 0.22

INTRAOPERATIVE CELL SALVAGE

Describe the characteristics of salvaged blood

TOTAL CREDITS 0.24

SALVAGED BLOOD

Identify methods used to assess the quality of salvaged blood

TOTAL CREDITS 0.44

REALTIVE CONTRAINDICATIONS

Discuss the clinical indications for intraoperative cell salvage

TOTAL CREDITS 0.88

SUMMARY

SCDE Opportunities 2020-2025

August 26, 2020 – August 26, 2021

58.00 SDCEs

Principles of Intraoperative Cell Salvage: Blood Collection, Processing, and Reinfusion

PROCESS OF INTRAOPERATIVE CELL SALVAGE Identify the indications for intraoperative cell salvage	TOTAL CREDITS 9.00
REINFUSION Explain the process of intraoperative cell salvage, including blood recovery, processing, and reinfusion	TOTAL CREDITS 34.00
CELL SALVAGE DEVICES Delineate the equipment and supplies used for intraoperative cell salvage and describe the function of each	TOTAL CREDITS 8.00
SUMMARY Discuss relative and absolute contraindications and complications associated with intraoperative cell salvage	TOTAL CREDITS 7.00

<https://www.pfiedlereducation.com/diweb/catalog/item/eid/1395-02>

SCDE Opportunities 2020-2025

June 30, 2020 – June 31, 2021

50.00 SDCEs

Characteristics of Blood and Blood Transfusion Basics

BLOOD DISCOVERIES Discuss the Main Functions of Blood	TOTAL CREDITS 8.00
BLOOD COMPONENTS Identify Components of Blood and Explain the Function of Each Component	TOTAL CREDITS 10.00
BLOOD COAGULATION Describe the Process of Blood Coagulation	TOTAL CREDITS 5.00
BLOOD GROUPS Explain the ABO Blood Groups and RH Type	TOTAL CREDITS 15.00
BLOOD TRANSFUSION COMPLICATIONS Delineate Indications for and Complications Associated with Blood Transfusions	TOTAL CREDITS 7.00
SUMMARY	TOTAL CREDITS 5.00

<https://www.pfiedlereducation.com/diweb/catalog/item/eid/1395-2020>