CARDIOTHORACIC SURGERY APP BOOT CAMP

September 15-16, 2025

Center for Procedural Skills and Simulation
University of Iowa Hospitals and Clinics
200 Hawkins Drive • Iowa City

Sponsored by
THE DEPARTMENT OF CARDIOTHORACIC SURGERY

IOWA HEALTH CARE



OVERVIEW

This two-day interactive course is designed to teach participants about the intra-operative assistance role in Cardiothoracic Surgery cases.

TARGET AUDIENCE

Physician Assistants, Nurse Practitioners and Advance Practice students

OBJECTIVES

1. Attain familiarity with the standard positioning and draping of cardiothoracic patients, as well as the instruments used in the operating room
2. Gain knowledge of perfusions role in cardiac surgery including an overview of its essential function and equipment used to support circulation during a procedure
3. Demonstrate the ability to perform ultrasound techniques for various procedures including but not limited to arterial line, femoral lines, thoracentesis and saphenous vein anatomy for harvest
4. Develop familiarity with common anatomy and techniques to obtain conduit for bypass surgery using endoscopic harvest methods
5. Gain hands-on pig heart dissection experience as an example of surgical cardiac procedures
6. Attain knowledge of basic needle types and different suture materials in their application in cardiac and thoracic surgery
7. Demonstrate the ability to perform various suturing techniques and methods
8. Be familiar in assisting in Thoracic Surgery with the Da Vinci robot to include port access, docking, and undocking arms
9. Develop familiarity with placement of chest tube and how to manage chest tubes in the perioperative period.

DISCLOSURE POLICY

The University of Iowa prohibits discrimination in employment, educational programs, and activities on the basis of race, creed, color, religion, national origin, age, sex, pregnancy (including childbirth and related conditions), disability, genetic information, status as a U.S. veteran, service in the U.S. military, sexual orientation, gender identity, or associational preferences. The university also affirms its commitment to providing equal opportunities and equal access to university facilities. For additional information on nondiscrimination policies, contact the Senior Director, Office of Civil Rights Compliance, the University of Iowa, 202 Jessup Hall, Iowa City, IA 52242-1316, 319-335-0705, daod-ocrc@uiowa.edu.

Individuals with disabilities are encouraged to attend all University of Iowa-sponsored events. If you are a person with a disability who requires a reasonable accommodation in order to participate in this program, please contact Jody Gingerich at 319-356-4518.

ACCREDITATION

In support of improving patient care, the University of Iowa Roy J. and Lucille A. Carver College of Medicine is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.

CREDITS

Nurse: The University of Iowa Roy J. and Lucille A. Carver College of Medicine designates this activity for a maximum of 17 ANCC contact hours.

Physician: The University of Iowa Roy J. and Lucille A. Carver College of Medicine designates this live activity for a maximum of 17 AMA PRA *Category 1 Credit*(s)™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Physician Associate: The University of Iowa Roy J. and Lucille A. Carver College of Medicine has been authorized by the American Academy of Physician Associates (AAPA) to award AAPA Category 1 CME credit for activities planned in accordance with AAPA CME Criteria. This activity is designated for 17 AAPA Category 1 CME credits. PAs should only claim credit commensurate with the extent of their participation.

Other Health Care Providers: A certificate of participation will be available after successful completion of the course. (It is the responsibility of licensees to determine if this continuing education activity meets the requirements of their professional licensure board.)

REGISTRATION

Early Registration (before July 31, 2025)
Advanced Practice Providers ..... $ 750.00
Students, Residents & Fellows ..... $ 600.00

Regular Registration (before September 5, 2025)
APPs & PAs ..... $ 900.00
Students, Residents & Fellows ..... $ 650.00

CLICK TO REGISTER NOW

PRESENTERS



Robert Cronbaugh, CCP

Clinical Coordinator
Perfusion Education Program
Heart and Vascular Center



Shahna Helmick, CPP

Program Director
Perfusion Education Program
Heart and Vascular Center



John Keech, MD

Clinical Professor
Thoracic Service Line Director
Department of Cardiothoracic Surgery



Janelle Lala, PA-C

Department of Cardiothoracic Surgery



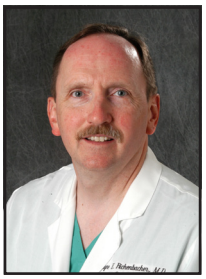
Katherine McLaughlin, RN

Team 1: Cardiothoracic & Vascular Surgery
Department of Nursing



Kalpaj Parekh, MBBS

Professor
Department Executive Officer
Department of Cardiothoracic Surgery



Wayne Richenbacher, MD

Emeritus Professor of Cardiothoracic Surgery
Department of Cardiothoracic Surgery



Archit Sharma, MBBS

Clinical Associate Professor of Anesthesia
Department of Cardiothoracic Anesthesia



Jessica Stevens, ARNP

Course Co-director
Department of Cardiothoracic Surgery



Jan Syata, PA-C

Course Co-director
Department of Cardiothoracic Surgery



Anne Troyer, BSN, RN

Nurse Manager
Perioperative Nursing Division
Team 1: Cardiothoracic & Vascular Surgery
Department of Nursing

DAY 1 AGENDA Monday, September 15, 2025

7:00 - 7:30 a.m.	Registration and Continental Breakfast
7:30 - 7:45	Introduction and Course Overview
7:45 - 8:30	Cardiac OR Room: Positioning and Instruments
8:30 - 10:00	Perfusion: Didactic and Simulation
10:00 - 10:10	Break
10:10 - 11:00	Pacemaker Troubleshooting
11:00 a.m. - 12:00 p.m.	Ultrasound; femoral lines and saphenous vein mapping
12:00 - 12:30 p.m.	Lunch
12:30 - 3:00	Leg Vein Harvest Lab: Didactic and Hands-on Lab
3:00 - 3:10	Break
3:10 - 5:00	Pig Heart Dissection Lab
5:30 - 7:00 p.m.	Dinner Presentation with CT APP Q & A Session

DAY 2 AGENDA Tuesday, September 16, 2025

7:30 - 8:00 a.m.	Course Review and Continental Breakfast
8:00 - 8:30	Thoracic OR Room: Positioning and Instruments
8:30 - 10:30	Suturing and Stapling Stations
10:30 - 10:40	Break
10:40 a.m. - 12:10 p.m.	Thoracentesis and Chest Tube Insertion
12:10 - 1:00	Lunch
1:00 - 3:00	Da Vinci Robot
3:00 - 3:15 p.m.	Review and Adjourn