

FCE FCE 330 | CARDIAC ANESTHESIOLOGY
CLINICAL | ANESTHESIOLOGY AND PERIOPERATIVE MEDICINE

Sponsor | Supervisor Rana Badr MD
Email Rana.Badr@umassmemorial.org

Support Ben Williams
Email Benjamin.Williams@umassmed.edu
Phone 508.856.3821

Host Department Anesthesiology and Perioperative Medicine

Location Operating room university campus

Day One Instructions Arrive to OR front at 7 am and contact AIC (anesthesia in charge) to be guided to cardiac room

FCE DESCRIPTION

Student will shadow the anesthesia resident and/or anesthesia attending in the cardiac surgery operating room and will observe the setup and conduct of typical for cardiac surgical cases such coronary artery bypass grafting and valve replacement.

FCE LEARNING OBJECTIVES

- Describe the normal anatomy of the great vessels and coronary arteries and their relevance to central line placement, cannulation for heart-lung machine, and cardioplegia
- Understand the different monitoring modalities used during cardiac anesthesia
- Understand the need for anticoagulation during cardiopulmonary bypass and learn practical aspects of maintaining anticoagulation during cardiac surgery (heparin) and its antidote (protamine)
- Understand the pharmacology of the vasopressor and inotropic medications and vasodilators commonly used in cardiac surgery
- Understand the main components of the heart-lung machine during cardiopulmonary bypass

UMMS Competencies Professional | Scientist | Communicator | Problem Solver

Evaluation Type Attendance | Effort | Participation
Evaluation Oral Presentation

4900 | Fall 2018

1 Block 1A | FE1 | June 4-8, 2018
1 Block 1B | FE2 | July 9-13, 2018
1 Block 1C | FE3 | July 16-20, 2018
1 Block 2A | FE4 | September 24-28, 2018
1 Block 2B | FE5 | October 1-5, 2018
1 Block 2C | FE6 | November 5-9, 2018

4901 | Spring 2019

1 Block 3A | FE7 | February 4-8, 2019
1 Block 3B | FE8 | March 11-15, 2019
1 FE-Spring Break | March 18-22, 2019
1 Block 3C | FE9 | March 25-29, 2019
