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Location	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
Inter-professional	yes
Interdisciplinary	Anesthesiology
Evaluation Type	Attendance, Effort, Participation
Evaluation Criteria	Oral Presentation
Evaluation Explanation	Student will appreciate value of communication in cardiac surgery between anesthesiologist and surgeon. Professional contact with patient and staff and science behind treatment options for acute problems in cardiac surgery can also be appreciated.
Prerequisites	Anesthesiology rotation during surgery clerkship OR FCE: Introduction to Anesthesiology

AVAILABILITY

FE1 (1a) | June 6-10, 2016
FE2 (1b) | July 11-15, 2016
FE3 (1c) | July 18- 22, 2016

- 1 FE4 (2a) | September 26-30, 2016
 - 1 FE5 (2b) | October 3-7, 2016
 - 1 FE6 (2c) | November 7-11, 2016

 - 1 FE7 (3a) | February 6-10, 2017
 - 1 FE8 (3b) | March 13-17, 2017
Spring Break | March 20-24, 2017
 - 1 FE9 (3c) | March 27-31, 2017
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