
Host Department	Surgery Quantitative Health Sciences Cardiac Surgery
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Location	UMMS Division of Cardiac Surgery
Day One Instructions	Email Dr. Balsam prior to beginning the rotation for directions on where/when to report on day 1.

FCE DESCRIPTION

This one-week flexible clinical experience will expose the student to the preoperative, intraoperative, and postoperative care of the cardiac surgery patient. The scope includes coronary artery disease, valvular disease, aortic disease, and mechanical circulatory support. *Recommended pre-requisite* to this experience is a clinical rotation in surgery.

FCE LEARNING OBJECTIVES

- Perform a directed history and physical examination in the patient with cardiovascular disease
- Understand the indications for cardiovascular diagnostic tests during surgical evaluation, including:
 - EKG
 - Echocardiogram
 - Cardiac catheterization
- Understand the fundamentals of cardiopulmonary bypass
- Integrate pathophysiology with evidence-based medicine to understand postoperative management after cardiac surgery
- Interact with interprofessional team

UMMS Competencies	Communicator Problem Solver Professional
Interdisciplinary	Cardiology
Interprofessional	Nursing Medical Doctor Licensed Independent Practitioner (LIP)
Evaluation Type	Attendance Effort
Evaluation	Clinical Skills Oral Presentation

4900 | Fall 2018

- 1 Block 1A | FE1 | June 4-8, 2018
- 1 Block 1B | FE2 | July 9-13, 2018

4901 | Spring 2019

- 1 Block 3A | FE7 | February 4-8, 2019
- 1 Block 3B | FE8 | March 11-15, 2019

1	Block 1C FE3 July 16-20, 2018		
1	Block 2A FE4 September 24-28, 2018	1	FE-Spring Break March 18-22, 2019
1	Block 2B FE5 October 1-5, 2018		
1	Block 2C FE6 November 5-9, 2018	1	Block 3C FE9 March 25-29, 2019

Required Reading

- Acker MA, et al. (2014). [Mitral-valve repair versus replacement for severe ischemic mitral regurgitation](#). *The New England Journal of Medicine* 370:23-32.
- Makkar RR, et al. (2012). [Transcatheter aortic-valve replacement for inoperable severe aortic stenosis](#). *The New England Journal of Medicine* 366:18.
- Mehra MR, et al. (2017). [A fully magnetically levitated circulatory pump for advanced heart failure](#). *The New England Journal of Medicine* 376:5.
- Serruys PW, et al. (2009). [Percutaneous coronary intervention versus coronary-artery bypass grafting for severe coronary artery disease](#). *The New England Journal of Medicine* 360:10.