

LEARNING OBJECTIVES: SI SURGERY CARDIAC SURGERY SUBINTERNSHIP

Overarching Goals of Curriculum	Elective objectives: By the end of the rotation, students will be expected to:	Where/how taught	Taught by	How student's achievement of objective is assessed	How feedback is given	Quantity target
1, 2, 3, 4, 5, 6	1. History skills: Gather the important information that is needed for the cardiac history and complete a history in the medical record for at least 1 patient <ol style="list-style-type: none"> a. The student should name all the routine questions that are involved in taking a history of heart disease and why they are being asked. 	CT-ICU; operating room; and step-down unit	Cardiac surgeons; ICU attendings; and senior cardiac surgical residents	Direct evaluation of presentation.	Immediate verbal feedback.	1
1, 2, 3, 4, 5	2. Physical examination skills: Complete a pertinent physical examination for the evaluation of cardiac surgery on at least 1 patient. The student should demonstrate the ability to perform this pertinent physical examination while being observed by at least one attending or resident. <ol style="list-style-type: none"> a. The student should know how to differentiate chest x-rays and CT scans. b. The student should be able to explain each part of the physical examination of the heart, why it is being performed and what abnormalities are being sought. 	CT-ICU; operating room; and step-down unit	Cardiac surgeons; ICU attendings; and senior cardiac surgical resident	Direct observation of examination.	Immediate verbal feedback.	1
1, 2, 3, 4, 5, 6, 7, 8	3. Knowledge/diagnostic and treatment skills: Know about common pediatric critical care conditions, for example: <ol style="list-style-type: none"> a. Know the 3 most likely causes of <u>coronary artery disease, aortic stenosis, and mitral insufficiency</u> and the mechanism for each. b. Name at least 3 laboratory tests to evaluate each of these conditions. c. Describe the first line therapy for each of these conditions. 	CT-ICU; operating room; and step-down unit	Cardiac surgeons; ICU attendings; and senior cardiac surgical resident	Direct observation of examination.	Immediate verbal feedback.	10
4	4. Procedural skills: Perform chest x-ray and CT scan on at least 10 patients. <ol style="list-style-type: none"> a. The student should know the key indications for the procedure. b. The student should be observed and get feedback on the performance of the procedure 	CT-ICU; operating room; and step-down unit	Cardiac surgeons; ICU attendings; and senior cardiac	Direct observation of examination.	Immediate verbal feedback; Written feedback at end of rotation.	10

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	on at least one occasion.		surgical resident			
4, 5, 6	<p>5. Attitude: Demonstrate professional responsibility in working as a team member with other members of the cardiac surgery care team, patients and families.</p> <ul style="list-style-type: none"> a. The student should exhibit sensitivity to the psychosocial issues faced by patients undergoing cardiac surgery and their families. b. The student should exhibit honesty, accuracy and integrity in all interactions with patients, families, colleagues and others. 	CT-ICU; operating room; and step-down unit	Cardiac surgeons; ICU attendings; and senior cardiac surgical resident	Direct observation.	Immediate verbal feedback.	N/A
5, 6, 8	<p>6. Career/context: Know the training/career pathway for cardiac surgery.</p> <ul style="list-style-type: none"> a. Know 3 aspects of career satisfaction in this specialty. b. Know key roles that the specialty plays in the health care system. 	CT-ICU; operating room; and step-down unit	Cardiac surgeons; ICU attendings; and senior cardiac surgical resident	One on one meeting with cardiac surgeons.	Immediate verbal feedback.	N/A