

# Cardiology Service/Elective Learning Objectives Tracking List

**Resident:** \_\_\_\_\_ **Dates:** \_\_\_\_\_ **Location:** \_\_\_\_\_

Topic	Topic covered		Objective achieved	
	Date	MD	Yes/No	Recommendations/Deficiencies
1) Chest pain evaluation				
• Clinical				
• Non-invasive testing				
2) ACS				
Definition/nomenclature				
Pathophysiology				
Prognosis				
Therapy				
• Anti-anginal				
• Anti-platelet				
• Anti-thrombotic				
• How to use IV NTG				
• How to use IV Heparin				
Differentiation from NSTEMI				
• Early invasive vs. early conservative strategies				
3) Acute MI-STEMI				
• Indication for thrombolytics				
• Indication for direct PCI				
• Acute care management				
• Prognosis				
• Hemodynamic classification				
• Killip (1,2,3,4)				
• Forrester (I,II,III,IV)				
• Complications AMI				

# Cardiology Service/Elective Learning Objectives Tracking List

<b>Resident:</b> _____	<b>Dates:</b> _____	<b>Location:</b> _____
Topic	Topic covered	Objective achieved
	Date      MD	Yes/No      Recommendations/Deficiencies
• Post-CCU management		
• Risk stratification		
• Non-invasive testing post MI		
• Invasive testing post MI		
• Optimal 2 <sup>o</sup> prevention		
• How to use inotropic agents		
• How to use vasopressors		
4) Acute CHF		
• Etiology		
• Systolic vs. Diastolic failure		
• Triggers		
• Acute management		
•		
5) Chronic CHF		
• Triggers		
• Symptomatic Therapy		
• Prognostic therapy		
• Role of AICD/CRT		
•		
6) Arrhythmias		
Atrial fibrillation		
• Rate control		
• Conversion/cardioversion		
• Maintenance of NSR		
• Anti-coagulation		

# Cardiology Service/Elective Learning Objectives Tracking List

<b>Resident:</b> _____	<b>Dates:</b> _____	<b>Location:</b> _____
Topic	Topic covered	Objective achieved
	Date      MD	Yes/No      Teaching Date
SVT		
• Atrial flutter		
• Atrial tachycardia		
• AV nodal re-entry		
• WPW: ortho/antidromic CMT		
Wide QRS tachycardia		
• VT vs. SVT		
Heart Block		
• 1 <sup>o</sup> , 2 <sup>o</sup> Mobitz I & II, 3 <sup>o</sup> heart block		
• Pacemaker indications		
• Pacemaker function		
• Pacing modes: VVI, hysteresis, DDD, DDDR		
• Pacemaker mediated tachycardia		
7) Pre-operative assessment		
• Cardiac patient for non-cardiac surgery		
8) Bacterial endocarditis		
• Acute vs. Sub-acute vs. bacteremic		
• Physical findings		
• Dx: blood cultures, echo, TEE		
• Complications		
• Rx: medical & surgical		
9) Cardiac physical exam		
• Pulse; rate, rhythm, regularity		
• Allen's test		
• Brachial-radial delay		

# Cardiology Service/Elective Learning Objectives Tracking List

**Resident:** \_\_\_\_\_ **Dates:** \_\_\_\_\_ **Location:** \_\_\_\_\_

Topic	Topic covered		Objective achieved	
	Date	MD	Yes/No	Teaching Date
• Radial-femoral delay				
• Water hammer pulse				
JVP				
• Height				
• Waveform				
• Maneuvers				
Carotid: Volume (↑,N, ↓)				
• Upstroke (anacrotic, bisferiens)				
• Bruits, murmurs, audible S2				
Precordium				
• Clinical signs RV dysfunction				
• Clinical signs LV dysfunction				
Murmurs				
• AS vs. AV sclerosis				
• Functional murmur vs. MVP				
• Severity of AS				
• Severity of MS				
• Severity of AR/MR				
• Timing of surgery in AR/MR				
10) Pericardial disease				
• Tamponade				
• Constriction				
• JVP waveform patterns				
• Pulsus paradoxus				

# Cardiology Service/Elective Learning Objectives Tracking List

**Resident:** \_\_\_\_\_ **Dates:** \_\_\_\_\_ **Location:** \_\_\_\_\_

Topic	Topic covered		Objective achieved	
	Date	MD	Yes/No	Teaching Date
11) Procedural skills				
• Arterial line				
• Femoral line				
• Central line				
• Insertion of Swan Ganz catheter				
• Use of external pacemaker				
• Insertion of temporary pacemaker (TTVP)				
• Pericardiocentesis				
• Other:				
12. Interpretive skills				
• ECG				
• Exercise stress test				
• Echocardiogram				
• Stress echo				
• Dobutamine echo				
• TEE				
• Holter monitor				
• Cardiac loop recorder				
• Ambulatory BP monitor				
• Exercise stress MPI				
• Persantine stress MPI				
• CTA:				
• Other				

# Cardiology Service/Elective Learning Objectives Tracking List

**Resident:** \_\_\_\_\_ **Dates:** \_\_\_\_\_ **Location:** \_\_\_\_\_

**General Comments:**

---

---

---

---

---

---

---

---

---

---

**Recommendations:**

---

---

---

---

---

---

---

---

---

---

**Resident:** \_\_\_\_\_ **Staff:** \_\_\_\_\_

**Date:** \_\_\_\_\_ **Date:** \_\_\_\_\_