

## Cardiology Levels of Care

PROCEDURE/SKILL	LEVEL OF CARE/ FELLOWSHIP YEAR	SUPERVISION	MILESTONES	MILESTONE LEVEL	COMPETENCY
Coronary Angiography	PGY 4-6/FY 1-3	Direct	Cognitive and Technical knowledge of Invasive Cardiology	2	PC, MK, ICS
Coronary Bypass Angiography	PGY 4-6/FY 1-3	Direct	Cognitive and Technical knowledge of Invasive Cardiology	2	PC, MK, ICS
Ventriculogram	PGY 4-6/FY 1-3	Direct	Cognitive and Technical knowledge of Invasive Cardiology	2	PC, MK, ICS
Right Heart Catheterization	PGY 4-6/FY 1-3	Direct	Cognitive and Technical knowledge of Invasive Cardiology & hemodynamics	2	PC, MK, ICS
Femoral Arterial Access	PGY 4-6/FY 1-3	Direct*	Access and hemostasis	2	PC, MK, ICS
Radial Arterial Access	PGY 4-6/FY 1-3	Direct*	Access and hemostasis	2	PC, MK, ICS
Central Venous Access	PGY 4-6/FY 1-3	Indirect	Access and hemostasis	2	PC, MK, ICS
Aortogram	PGY 4-6/FY 1-3	Direct	Cognitive and Technical knowledge of Vascular Medicine	2	PC, MK, ICS
Peripheral Angiogram	PGY 4-6/FY 1-3	Direct	Cognitive and Technical knowledge of Vascular Medicine	2	PC, MK, ICS
Coronary Stenting	PGY 4-6/FY 1-3	Direct	Cognitive and Technical knowledge of Invasive/Interventional Cardiology	3	PC, MK, ICS
Coronary Balloon Angioplasty	PGY 4-6/FY 1-3	Direct	Cognitive and Technical knowledge of Invasive/Interventional Cardiology	3	PC, MK, ICS
Intra-Aortic Balloon Placement	PGY 4-6/FY 1-3	Direct	Cognitive and Technical knowledge of Invasive/Interventional Cardiology	3	PC, MK, ICS
Mechanical Circulatory Support	PGY 4-6/FY 1-3	Direct	Cognitive and Technical knowledge of Invasive/Interventional Cardiology	3	PC, MK, ICS

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Endomyocardial Biopsy	PGY 4-6/FY 1-3	Direct	Cognitive and Technical knowledge of Invasive/Interventional Cardiology	3	PC, MK, ICS
Echocardiogram	PGY 4-6/FY 1-3	Oversight	Noninvasive evaluation of cardiac anatomy and function	2	PC, MK, ICS,SBP
Stress Echo	PGY 4-6/FY 1-3	Indirect	Noninvasive evaluation of myocardial ischemia	2	PC, MK, ICS,SBP
Dobutamine Stress Echo	PGY 4-6/FY 1-3	Indirect	Noninvasive evaluation of myocardial ischemia	2	PC, MK, ICS,SBP
Cardioversion	PGY 4-6/FY 1-3	Direct*	Cardiac Emergency management	2	PC, MK, ICS,SBP
IntraCardiac Echo	PGY 4-6/FY 1-3	Direct	Invasive evaluation of cardiac anatomy and function	2	PC, MK, ICS,SBP
Transesophageal Echocardiogram	PGY 4-6/FY 1-3	Direct	Invasive evaluation of cardiac anatomy and function	2	PC, MK, ICS,SBP
Contrast Echocardiogram	PGY 4-6/FY 1-3	Indirect	Noninvasive evaluation of cardiac anatomy and function	2	PC, MK, ICS,SBP
Saline Bubble Study	PGY 4-6/FY 1-3	Indirect	Stroke and Cardiac Shunt risk stratification	2	PC, MK, ICS,SBP
Treadmill Stress Test	PGY 4-6/FY 1-3	Indirect	Noninvasive evaluation of myocardial ischemia	2	PC, MK, ICS,SBP
Lexiscan Cardiolite	PGY 4-6/FY 1-3	Indirect	Noninvasive evaluation of myocardial ischemia	2	PC, MK, ICS,SBP
Temporary Pacemaker	PGY 4-6/FY 1-3	Direct	Cardiac Emergency management	2	PC, MK
Pericardiocentesis	PGY 4-6/FY 1-3	Direct	Cardiac Emergency management	2	PC, MK
Permanent Pacemaker placement	PGY 4-6/FY 1-3	Direct	Cardiac rhythm disturbance management	2	PC, MK, ICS
IntraCardiac Defibrillator placement	PGY 4-6/FY 1-3	Direct	Invasive evaluation and management of Systolic Heart Failure	2	PC, MK, ICS
Electrophysiological Studies	PGY 4-6/FY 1-3	Direct	Cardiac rhythm disturbance management	2	PC, MK, ICS
Intracardiac Ablations	PGY 4-6/FY 1-3	Direct	Cardiac rhythm disturbance management	2	PC, MK, ICS

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Head Up Tilt Table Test	PGY 4-6/FY 1-3	Indirect	Syncope management	2	PC, MK, ICS
Link Cardiac Monitor Insertion	PGY 4-6/FY 1-3	Direct	Cardiac rhythm disturbance and syncope management	2	PC, MK, ICS
Pacemaker Interrogation	PGY 4-6/FY 1-3	Indirect	Cardiac rhythm disturbance management	2	PC, MK, ICS,
Defibrillator Interrogation	PGY 4-6/FY 1-3	Indirect	Cardiac rhythm disturbance management	2	PC, MK, ICS,
Procainamide Drug Challenge	PGY 4-6/FY 1-3	Indirect	Cardiac rhythm disturbance management	2	PC, MK, ICS,

### KEY

#### Supervision:

**Direct**-the supervising physician is physically present with the resident and patient.

A faculty physician, other than another resident, is physically present during the key portions of the procedure or is immediately available.

**Indirect**-the supervising physician is physically within the hospital or other site of patient care and is immediately available to provide direct supervision.

**Oversight**- the supervising physician is available to provide review of procedures/encounters with feedback after care is provided.

#### Core Competencies:

1. Patient Care (PC)

2. Medical Knowledge (MK)

3. Practice-Based Learning & Improvement (PBL)

4. Systems-Based Practice (SBP)

5. Interpersonal & Communication Skills (IC)

6. Professionalism (P)