



CARDIOVASCULAR MAGNETIC RESONANCE (CMR) SERVICES CODING AND EXAMPLE PROTOCOLS TOOL KIT

CODING AND PHYSICIAN BILLING

This guide contains coding and reimbursement information to help educate SCMR members about Current Procedural Terminology (CPT) codes for CMR services. This document is not intended for use by coders and billers. The information provided is not legal advice, nor is it advice about how to code, complete or submit any claim for payment, nor is it intended to increase or maximize reimbursement by any third-party payer. All coding and reimbursement information is subject to change without notice. SCMR makes no guarantee that use of this information will prevent differences of opinion or disputes with payers as to appropriate coding, the correct form of billing or the amount that will be reimbursed. As always, providers should contact their payer for interpretation of payer-specific coding, coverage, and payment policies, and ensure that medical necessity is documented in the patient's record.

GUIDANCE ON CODE SELECTION

1. Bill CPT codes that match the indication, imaging acquisition protocol, postprocessing and physician services provided.
2. Make sure to associate the billing codes to the standard protocols on your electronic health record system, so when imaging physician selects the imaging protocol the correct billing codes are appropriately assigned.
3. Ensure that documentation maintained in the patient medical record supports the CMR service(s) performed and CPT code(s) billed to payer.

CPT Codes Relevant for a CMR Service

CPT code	CPT Descriptor
75557	Cardiac magnetic resonance imaging for morphology and function without contrast

75559	Cardiac magnetic resonance imaging for morphology and function without contrast, with stress
75561	Cardiac magnetic resonance imaging for morphology and function without contrast material (s) followed by contrast material (s) and further sequences
75563	Cardiac magnetic resonance imaging for morphology and function without contrast material (s), followed by contrast material (s) and further sequences; with stress imaging
75565	Cardiac magnetic resonance imaging for velocity flow mapping – add on code
71555	Magnetic Resonance Angiography chest (excluding myocardium, with or without contrast material (s))
74185	Magnetic Resonance Angiography abdomen, with or without contrast material (s)
+0899T	Non-invasive determination of absolute quantitation of myocardial blood flow (AQMBF), derived by augmentative algorithmic analysis of the dataset acquired via contrast cardiac magnetic resonance (CMR), pharmacologic stress, with interpretation and report by a physician or other qualified health care professional (List separately in addition to code for primary procedure)
+0900T	Non-invasive estimate of absolute quantitation of myocardial blood flow (AQMBF), derived by assistive algorithmic analysis of the dataset acquired via contrast cardiac magnetic resonance (CMR), pharmacologic stress, with interpretation and report by a physician or other qualified health care professional (List separately in addition to code for primary procedure)
0649T	Quantitative magnetic resonance for analysis of tissue composition (eg, fat, iron, water content), including multiparametric data acquisition, data preparation and transmission, interpretation and report, obtained with diagnostic MRI examination of the same anatomy (eg, organ, gland, tissue, target structure); single organ (List separately in addition to code for primary procedure)
0697T	Quantitative magnetic resonance for analysis of tissue composition (eg, fat, iron, water content), including multiparametric data acquisition, data preparation and transmission, interpretation and report, obtained without diagnostic MRI examination of the same anatomy (eg, organ, gland, tissue, target structure) during the same session; multiple organs
93016	Cardiovascular stress test using maximal or submaximal treadmill or bicycle exercise, continuous electrocardiographic monitoring, and/or pharmacological stress: Supervision only without interpretation and report
93018	Cardiovascular stress test using maximal or submaximal treadmill or bicycle exercise, continuous electrocardiographic monitoring, and/or pharmacological stress, interpretation and report only

Examples of Clinical Imaging Protocols and Associated Billing Codes*

Reason for the Study Imaging Protocol Name	Sample Protocol Description for Medical Record	CPT Codes	Add on CPT codes
Thoracic Aorta for Sizing Only	MRA of the thoracic aorta with contrast MRA of the thoracic aorta without contrast	71555 (MRA chest)	
Thoracic Aorta for Sizing + Cardiac Valve Function	MRA of the aorta + cine for valvular function + flow quantification	71555 (MRA chest) 75557 (CMR without)	75565 (flow)
Thoracoabdominal Aorta for Sizing	MRA of the thoracic and abdominal aorta with contrast Or MRA of the thoracic and abdominal aorta without contrast	71555 (MRA chest) 74185 (MRA Abdomen)	
Thoracoabdominal Aorta for Sizing + Cardiac Valve Function	MRA of the thoracic and abdominal aorta + cine for valvular function + flow quantification	71555 (MRA chest) 74185 (MRA Abdomen) 75557 (CMR without)	75565 (flow)
Left atrial mapping for ablation	MRA and MRI of the heart for LA ablation planning	71555 (MRA chest) or 75561 (CMR with and without)	
Ejection fraction assessment	CMR without contrast for LV and/or RV ejection fraction	75557 (CMR without)	
Assessment of Nonischemic Cardiomyopathy/Myocarditis	CMR with contrast for anatomy, function, and tissue characterization, including parametric mapping	75561 (CMR with and without)	0649T (parametric quantification 1 organ)
Myocardial Iron Quantification	CMR without contrast for anatomy and function, and parametric mapping	75557 (CMR without) or 75561 (CMR with and without)	0649T (parametric quantification 1 organ)
Myocardial and Liver Iron Quantification	CMR without contrast for anatomy and function, and parametric mapping	75557 (CMR without) or 75561 (CMR with and without)	0697T (parametric quantification 2 organs)
Myocardial Viability	CMR with contrast for anatomy, function, and tissue characterization	75561 (CMR with and without)	
Valvular Heart Disease	CMR without contrast for anatomy and function, and	75557 (CMR without)	75565 (flow) – up to 4X

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	flow quantification for severity of regurgitation/stenosis		depending on clinical indication
Pericardial Disease	CMR with contrast for anatomy and tissue characterization of the pericardium and assessment of constriction	75561 (CMR with and without)	
Cardiac Mass	CMR with contrast for anatomy and mass characterization	75561 (CMR with and without)	
Stress Perfusion	CMR with contrast for cardiac function and perfusion at rest and stress	75563 (CMR with and without with stress)	93016 – monitor stress test
Stress Perfusion and Viability	CMR with contrast for viability and for cardiac function and perfusion at rest and stress	75563 (CMR with and without with stress)	93016 – monitor stress test
Adult Congenital Heart Disease	MRA chest for assessment of the aorta and pulmonary artery, CMR without contrast for cardiac anatomy and function, and flow quantification	71555 (MRA chest) 75557 (CMR without)	75565 (flow) – up to 4X depending on clinical indication
Adult Congenital Heart Disease with Scar Assessment	MRA chest for assessment of the arterial and venous thoracic vessels, CMR with contrast for cardiac anatomy, function, and tissue characterization,+ flow quantification	71555 (MRA chest) 75561 (CMR with and without)	75565 (flow) – up to 4X depending on clinical indication
Pediatric Congenital Heart Disease	MRA chest for assessment of the arterial and venous thoracic vessels, CMR without contrast for cardiac anatomy and function, and flow quantification.	71555 (MRA chest) 75557 (CMR without)	75565 (flow) – up to 4X depending on clinical indication
Pediatric Congenital Heart Disease with Scar Assessment	MRA chest for assessment of the arterial and venous thoracic vessels, CMR with contrast for cardiac anatomy, function, and tissue characterization,+ flow quantification	71555 (MRA chest) 75561 (CMR with and without)	75565 (flow) – up to 4X depending on clinical indication

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Pediatric Congenital Heart Disease with Assessment of Superior Abdominal Vessels	MRA chest for assessment of the arterial and venous thoracic vessels, MRA Abdomen for assessment of arterial and venous abdominal vessels, CMR without contrast for cardiac anatomy and function, and flow quantification.	71555 (MRA chest) 74185 (MRA Abdomen) 75557 (cardiac without)	75565 (flow) – up to 4X depending on clinical indication
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- SCMR provides this data for informational purposes only. This guide is not an affirmative instruction as to which code(s) and/or modifiers to use for a particular service or protocol. As noted above, actual codes submitted to the payer for services rendered are at the sole discretion of the treating physician and/or facility. SCMR cannot guarantee medical benefit coverage or reimbursement with the codes listed in this guide.