

AAPC Appendix G

Vascular Families for Interventional Radiology Coding

Arterial Vascular Family					
	First Order	Second Order	Third Order	Beyond Third Order	
Thoracic Aorta	Right and Left Coronary				
	Innominate (Brachiocephalic)	Right Common Carotid	Right Internal Carotid	Right Vidian	
				Right Caroticotympanic	
				Right Meningophypophyseal Trunk	
				Right Inferolateral Trunk	
				Right Inferior Hypophyseal	
				Right Ophthalmic	
				Right Superior Hypophyseal	
				Right Anterior Choroidal	
				Right Posterior Communicating	
				Right Middle Cerebral	
				Right Anterior Cerebral	
				Right External Carotid	Right Superior Thyroid
					Right Ascending Pharyngeal
					Right Lingual
		Right Facial			
		Right Occipital			
		Right Posterior Auricular			
		Right Superficial Temporal			
		Right Internal Maxillary			
		• Right Middle Meningeal			
		Right Vertebral	Basilar and Branches		
			Posterior Cerebral		
		Right Subclavian	Right Internal Thoracic (Internal Mammary)		Right Superior Epigastric
					Right Thyrocervical Trunk
			Right Ascending Cervical		
			Right Transverse Cervical		
			Right Suprascapular		
			Right Costocervical Trunk	Right Deep Cervical	
	Right Supreme Intercostal				
Right Axillary	(Considered one vessel for coding purposes)		Right Superior Thoracic		
			Right Thoracoacromial		
			Right Lateral Thoracic		
		Right Anterior and Posterior Circumflex Humeral			
	Right Subscapular	Right Circumflex Scapular			
		Right Thoracodorsal			
	Right Brachial	Right Profunda Brachii			
		Right Ulnar			
		• Right Common Interosseous			
		Right Radial			
• Right Deep Palmar Arch					
• Right Superficial Palmar Arch					
• Right Metacarpal(s)					
• Right Digital(s)					

Arterial Vascular Family

	First Order	Second Order	Third Order	Beyond Third Order
Thoracic Aorta – (Cont.)	Left Common Carotid	Left Internal Carotid	Left Vidian	
			Left Caroticotympanic	
			Left Meningohypophyseal Trunk	
			Left Inferolateral Trunk	
			Left Inferior Hypophyseal	
			Left Ophthalmic	
			Left Superior Hypophyseal	
			Left Anterior Choroidal	
			Left Posterior Communicating	
			Left Middle Cerebral	
			Left Anterior Cerebral	
		Left External Carotid	Left Superior Thyroid	
			Left Ascending Pharyngeal	
			Left Lingual	
			Left Facial	
			Left Occipital	
			Left Posterior Auricular	
			Left Superficial Temporal	
	Left Internal Maxillary	Left Middle Meningeal		
	Left Subclavian (Considered one vessel for coding purposes)	Left Vertebral	Basilar and Branches	
			Posterior Cerebral	
		Left Internal Thoracic (Internal Mammary)	Left Superior Epigastric	
			Left Thyrocervical Trunk	Left Inferior Thyroid
		Left Ascending Cervical		
		Left Transverse Cervical		
		Left Suprascapular		
		Left Costocervical Trunk	Left Deep Cervical	
			Left Supreme Intercostal	
		Left Axillary	Left Superior Thoracic	
			Left Thoracoacromial	
			Left Lateral Thoracic	
			Left Anterior and Posterior Circumflex Humeral	
Left Subscapular			Left Circumflex Subscapular	
	Left Thoracodorsal			
Left Brachial	Left Profunda Brachii		Left Ulnar	
			Left Radial	Left Common Interosseous
	Left Deep Palmar Arch			
	Left Superficial Palmar Arch			
	Left Metacarpal(s)			
	Left Digital(s)			

Arterial Vascular Family					
	First Order	Second Order	Third Order	Beyond Third Order	
Thoracic Aorta – (Cont.)	Left Superior Bronchial				
	Left Inferior Bronchial				
	Right 3 rd Intercostal	Right Bronchial			
	Intercostal(s)				
	Esophageal				
..... Diaphragm					
Abdominal Aorta	Inferior Phrenic	Superior Suprarenal (Adrenal)			
	Celiac	Splenic	Left Gastric	Esophageal	
			Splenic	Dorsal Pancreatic	Transverse Pancreatic (Inferior Pancreatic)
				Greater Pancreatic (Pancreatica Magna)	
				Caudal Pancreatic	
				Left Gastroepiploic	
				Short Gastric(s)	
		Common Hepatic	Gastroduodenal		Posterior and Anterior Superior Pancreaticoduodenal
					Right Gastroepiploic
			Proper Hepatic		Supraduodenal
					Right Gastric
					Left Hepatic
					• Middle Hepatic ○ Falciform
		Right Hepatic			
		• Cystic			
	Middle Suprarenal (Adrenal)				
	Superior Mesenteric	Inferior Pancreaticoduodenal		Anterior Inferior Pancreaticoduodenal	
				Posterior Inferior Pancreaticoduodenal	
		Middle Colic		Colic Marginal(s)	
		Right Colic			
		Ileocolic	Superior Ileocolic		Colic Marginal(s)
			Inferior Ileocolic		Anterior and Posterior Cecal Appendicular Ileal
	Jejunal				
	Renal	Inferior Suprarenal (Adrenal)			
		Renal Polar		Renal Cortical	
	Testicular/Ovarian				
	Lumbar				
	Inferior Mesenteric	Left Colic		Ascending Left Colic	
				Descending Left Colic	
		Sigmoid		Colic Marginal(s)	
Superior Rectal					
Middle (Median) Sacral					

Arterial Vascular Family				
	First Order	Second Order	Third Order	Beyond Third Order
Abdominal Aorta – (Cont.)	Common Iliac	Internal Iliac	Posterior Division	Iliolumbar
				Lateral Sacral
				Superior Gluteal
			Anterior Division	Obturator
				Umbilical
				• Superior Vesical
				Uterine
				Vaginal
				Inferior Vesical
				Middle Rectal
				• Prostate
				Internal Pudendal
		• Inferior Rectal		
		Inferior Gluteal		
		External Iliac	Deep Circumflex Iliac	
				Inferior Epigastric
		(Considered one vessel for coding purposes)	Profunda Femoris	Medial Femoral Circumflex
				Lateral Femoral Circumflex
			Deep External Pudendal	
				Superficial External Pudendal
Superficial Femoral				
	(Considered one vessel for coding purposes)		Geniculate	
Anterior Tibial				
Posterior Tibial				
Peroneal				
Pedal Arch				
Digital(s)				
Common Femoral	Popliteal			

Venous Vascular Family				
	First Order	Second Order	Beyond Second Order	
Superior Vena Cava	Innominate (Right Brachiocephalic)	Right Internal Jugular	Right Inferior Petrosal Sinus	
			Right Sigmoid Sinus	
			Retromandibular	
			Facial	
			Lingual	
			Superior Thyroid	
			Middle Thyroid	
			Pharyngeal	
		Right Subclavian	Right External Jugular	
				(Considered one vessel for coding purposes)
		Right Axillary	Shoulder and Arm Veins (e.g., Brachial, Basilic, Ulnar, Radial)	

Venous Vascular Family				
	First Order	Second Order	Beyond Second Order	
Superior Vena Cava – (Cont.)	Left Brachiocephalic	Left Internal Jugular	Left Inferior Petrosal Sinus	
			Left Sigmoid Sinus	
			Retromandibular	
			Facial	
			Lingual	
			Superior Thyroid	
			Middle Thyroid	
			Pharyngeal	
	Azygos	Left Subclavian ⋮ ⋮ (Considered one vessel ⋮ for coding purposes) ⋮ Left Axillary	Left External Jugular	
			Shoulder and Arm Veins (e.g., Brachial, Basilic, Ulnar, Radial)	
Azygos	Intercostal(s)	Left Ascending Lumbar		
	Hemiazygos			
	Right Ascending Lumbar			
Inferior Vena Cava	Hepatic (Right, Middle, Left)			
	Segment I (Liver)			
	Right Inferior Phrenic			
	Right Suprarenal (Right Adrenal)			
	Right Renal			
	Left Renal	Left Inferior Phrenic		
		Left Suprarenal (Adrenal)		
		Left Gonadal (Ovarian/ Testicular)		
	Right Gonadal (Ovarian/ Testicular)			
	Lumbar			
	Common Iliac		Median (Middle) Sacral	
			Interior Iliac (Hypogastric)	Posterior Division
				Iliolumbar
				Superior Gluteal
				Lateral Sacral
				Anterior Division
				Inferior Gluteal
Obturator				
Uterine				
Superior and Inferior Vesical				
Vaginal/Prostate				
Middle Rectal				
Internal Pudendal				
Rectal Plexus				
Exterior Iliac ⋮ ⋮ (Considered one vessel ⋮ for coding purposes) ⋮ ⋮ Common Femoral			Inferior Epigastric	
			Deep Circumflex Iliac	
			Deep System	
			Deep Femoral	
			Femoral (Superficial)	
			• Popliteal	
	• Anterior Tibial			
• Posterior Tibial				
• Peroneal				
Superficial System				
Great Saphenous				
Small Saphenous				

Venous Vascular Family				
	First Order	Second Order	Beyond Second Order	
Portal Vein	Right Portal	Anterior Segmental	Segment V	
			Segment VIII	
		Posterior Segmental	Segment VI	
			Segment VII	
	Left Portal	Segment II		
		Segment III		
Segment IV				
Intrahepatic				
Extrahepatic				
	Left Gastric	Esophageal		
	Right Gastric			
	Cystic			
	Superior Mesenteric	Right Gastroepiploic		
		Pancreaticoduodenal		
		Jejunal		
		Ileal		
		Middle Colic		
		Right Colic		
		Ileocolic		Appendicular
	Splenic	Short Gastric(s)		
		Left Gastroepiploic		
		Pancreatic		
		Inferior Mesenteric	Left Colic	
Superior Rectal				
Pulmonary Artery System	Main Pulmonary Artery	Right Pulmonary Artery	Pulmonary Artery Segmental Branches	
		Left Pulmonary Artery		