

MRA Upper Extremity (Magnetic Resonance Angiogram)

CPT: 73225

1 Major Symptom or Complaint presented as primary indication

1.1 Aching pain in extremity, relieved by rest

1.1.1 Suspected Peripheral Arterial Disease

1.2 Asymmetric pulses

1.2.1 Suspected Peripheral Arterial Disease

1.3 Bleeding

1.3.1 Suspected AVM

1.4 Claudication

1.5 Localized skin discoloration

1.5.1 Suspected AVM

1.6 Pain

1.6.1 Suspected AVM

1.7 Pulsatile mass

1.7.1 Suspected AVM

1.8 Ulceration

1.8.1 Suspected AVM

2 Working Diagnosis or Rule Out presented as primary indication

2.1 AVM Arteriovenous Malformation Suspected

2.1.1 Bleeding

2.1.2 Localized skin discoloration

2.1.3 Pain

2.1.4 Palpable subcutaneous thrill

2.1.5 Ulceration

References:

1. White, Robert I., Jr, Pollak, Jeffrey, Persing, John, Henderson, Katharine J., Thomson, J. Grant, Burdge, Catherine M. Long-Term Outcome of Embolotherapy and Surgery for High-Flow Extremity Arteriovenous Malformations J Vasc Interv Radiol 2000 11: 1285-1295
2. Schwartz's Principles of Surgery, 8th Edition F. Charles Brunicaudi, et al Copyright © 2005, The McGraw-Hill Companies, Inc. Chapter 15. Skin and Subcutaneous Tissue Scott L. Hansen, Stephen J. Mathes, David M. Young

2.2 Peripheral Arterial Disease Suspected ONE Risk Factor or Symptom

2.2.1 Risk Factors

2.2.1.1 Diabetes

2.2.1.2 Hypercholesterolemia

2.2.1.3 Smoker

2.2.2 Symptoms or Findings

2.2.2.1 Aching Pain in extremity relieved by rest

2.2.2.2 Asymmetric Blood Pressure in Arms

2.2.2.3 Asymmetric Pulses

2.2.2.4 Bruit

2.2.2.5 Palpable Arterial Thrill

2.2.2.6 Positive or Suspicious Doppler exam

References

1. Hurst's The Heart 11th Edition Valentin Fuster, R. Wayne Alexander, and Robert A. O'Rourke, Eds.; Copyright ©2006 The McGraw-Hill Companies. Chapter 101. Diagnosis and Management of Diseases of the Peripheral Arteries and Veins Paul W. Wennberg, Thom W. Rooke Emile R. Mohler, III; Peripheral Arterial Disease: Identification and Implications; Arch Intern Med 2003 163: 2306-2314

3 Abnormal Physical Exam Finding presented as primary indication

3.1 Absent or diminished peripheral pulses

3.1.1 Suspected Peripheral Arterial Disease

3.2 Arterial bruit

3.2.1 Suspected Peripheral Arterial Disease

3.3 Asymmetric blood pressure

3.3.1 Suspected Peripheral Arterial Disease

3.4 Asymmetric pulses

3.4.1 Suspected Peripheral Arterial Disease

3.5 Localized skin discoloration

3.5.1 Suspected AVM

3.6 Palpable subcutaneous thrill

3.6.1 Suspected AVM

3.7 Pulsatile mass

3.7.1 Suspected AVM

3.8 Ulceration

3.8.1 Suspected AVM

4 Abnormal Lab or Imaging presented as primary indication

5 Significant Prior Medical History presented as primary indication

5.1 Trauma, vascular injury suspected

5.2 Aneurysm, known, interval follow up

5.2.1 Asymptomatic, no more than twice per year

5.2.2 Any change in physical findings

5.3 Known Peripheral Arterial Disease

5.3.1 Assessment prior to planned surgery

5.3.2 New or worsening symptoms

References

1. G H Roditi, and G Harold Magnetic resonance angiography and computed tomography angiography for peripheral arterial disease Imaging 16: 205-229,