

MRA (Magnetic Resonance Angiogram) Pelvis

CPT: 72198

1 Major Symptom or Complaint presented as primary indication

1.1 Aching pain in extremity, relieved by rest

1.1.1 Peripheral Arteria (or Vascular) Disease suspected

2 Working Diagnosis or Rule Out presented as primary indication

2.1 Aneurysm, Suspected of aorta or iliac vessels

2.1.1 Pulsatile Mass on PE

2.2 Peripheral Arterial Disease Suspected

2.2.1 ABI<0.9

2.2.2 Risk Factors ONE

2.2.2.1 Diabetes

2.2.2.2 Hypercholesterolemia

2.2.2.3 Smoker

2.2.3 Symptoms or Findings ONE

2.2.3.1 Aching Pain in extremity relieved by rest

2.2.3.2 Asymmetric Blood Pressure in Arms

2.2.3.3 Asymmetric Pulses

2.2.3.4 Bruit

2.2.3.5 Palpable Arterial Thrill

2.2.3.6 Positive or Suspicious Doppler exam

2.3 Claudication

2.3.1 Peripheral Arterial (or Vascular) Disease suspected

3 Abnormal Physical Exam Finding presented as primary indication

3.1 Asymmetric Blood Pressure in Legs

3.1.1 Peripheral Arterial (or Vascular) Disease suspected

3.2 Asymmetric Pulses

3.2.1 Peripheral Arterial (or Vascular) Disease suspected

3.3 Bruit

3.3.1 Peripheral Arterial (or Vascular) Disease suspected

3.4 Palpable Arterial Thrill

3.4.1 Peripheral Arterial (or Vascular) Disease suspected

3.4.2 AVM Suspected

3.5 Pulsatile Mass, Aneurysm suspected

4 Abnormal Lab or Imaging presented as primary indication

4.1 Positive or Suspicious Doppler exam

4.1.1 Peripheral Arterial (or Vascular) Disease suspected

5 Significant Prior Medical History presented as primary indication

5.1 Aneurysm, known from prior exams

5.1.1 Preoperative

5.1.2 Interval follow up after endovascular treatment at 1 week, 1 month, 3 months, and 6 months and at 6-month intervals thereafter

- Ichiro Sakamoto, Eijun Sueyoshi, Shiro Hazama, Kenji Makino, Akifumi Nishida, Tetsuji Yamaguchi, Kiyoyuki Eishi, and Masataka Uetani Endovascular Treatment of Iliac Artery Aneurysms Radiographics October 2005 25:S213-S227

5.2 Prior to Uterine Artery embolization for bleeding or embolization of fibroids (myomata)

5.3 Trauma, vascular injury suspected

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
2. Emile R. Mohler, III; Peripheral Arterial Disease: Identification and Implications; Arch Intern Med 2003 163: 2306-2314
3. 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
4. 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
5. Albrecht, Thomas, Foert, Ellen, Holtkamp, Robin, Kirchin, Miles A., Ribbe, Constanze, Wacker, Frank K., Kruschewski, Martin, Meyer, Bernhard C. 16-MDCT Angiography of Aortoiliac and Lower Extremity Arteries: Comparison with Digital Subtraction Angiography Am. J. Roentgenol. 2007 189: 702-711
6. Schorge JO, Schaffer JI, Halvorson LM, Hoffman BL, Bradshaw KD, Cunningham FG, "Chapter 9. Pelvic Mass" (Chapter). Schorge JO, Schaffer JI, Halvorson LM, Hoffman BL, Bradshaw KD, Cunningham FG: Williams Gynecology: <http://www.accessmedicine.com/content.aspx?aID=3153525> accessed 4/08/10
7. Pelvic CT angiography: application to blunt trauma using 64MDCT. J Uyeda, SW Anderson, J Kertesz, and JA Soto Emerg Radiol, Mar 2010; 17(2): 131-7