

Evidence Discussion (PVD 6.4)

Iliac Artery Aneurysm (IAA)

Annual surveillance of iliac artery aneurysms is indicated to determine when intervention is necessary if an iliac aneurysm exceeds 2cm in diameter.^{1,2} Duplex ultrasound is the primary imaging modality for individuals without technical limitations related to body habitus. It has been demonstrated to be accurate, cost-effective and does not use ionizing radiation or contrast. CT imaging may be indicated for cases where ultrasound is equivocal or for surgical planning.

References:

1. Anderson JL, Halperin JL, Albert N, et al. Management of Patients with Peripheral Artery Disease (Compilation of 2005 and 2011 ACCF/AHA Guideline Recommendations).. J Am Coll Cardiol. 2013;61(14):1555-1570. doi:10.1016/j.jacc.2013.01.004.
2. Chaikof EL, Dalman RL, Eskandari MK, et al. The Society for Vascular Surgery practice guidelines on the care of patients with an abdominal aortic aneurysm .J Vasc Surg. 2018;67(1). doi:10.1016/j.jvs.2017.10.044.
3. Sakamoto I, Sueyoshi E, Hazama S, et al. Endovascular treatment of iliac artery aneurysms. Radiographics October 2005;25:S213-S227.
4. Zierler RE, Jordan WD, Lal BK, et al. The Society for Vascular Surgery practice guidelines on follow-up after vascular surgery arterial procedures. J Vasc Surg . 2018;68(1):256-284. doi:10.1016/j.jvs.2018.04.018.1