



Effective Health Care

Harms of Stent Placement for Peripheral Artery Disease

Next Steps

The nominator is interested in the harms of stent placement for peripheral artery disease.

Due to limited program resources at this time, AHRQ will not further assess this topic. We identified two systematic reviews which may be useful for the nominator. No further activity on this topic will be undertaken by the Effective Health Care (EHC) Program.

Topic Summary and Considerations

Topic Name and Number: Harms of stent placement for peripheral artery disease, #733

Date: 8/18/2017

Key question from the nomination:

What are the harms of stent placement for peripheral artery disease?

- Peripheral artery disease refers to a spectrum of conditions related to the chronic narrowing of the arteries to the legs. People may experience a spectrum of symptoms from no symptoms to intermittent pain, to critical limb ischemia.
- Treatment goals include cardiovascular protection, relief of symptoms, preservation of walking and functional status, and prevention of amputation.
- Revascularization is an option when individuals have continued symptoms despite conservative, noninvasive treatment. Approaches include balloon angioplasty, stent placement, endarterectomy, and bypass (1).
- The nominator mentions concerns with adverse effects after the placement of stents in his leg including swelling and numbness.
- While we are unable to further assess this topic at this time, this reference may be useful to the nominator:
 - Bekken J, Jongsma H, Ayez N, Hoogewerf CJ, Van Weel V, Fioole B. Angioplasty versus stenting for iliac artery lesions. Cochrane Database of Systematic Reviews 2015, Issue 5. Art. No.: CD007561. DOI: 10.1002/14651858.CD007561.pub2
 - Chowdhury MM, McLain AD, Twine CP. Angioplasty versus bare metal stenting for superficial femoral artery lesions. Cochrane Database of Systematic Reviews 2014, Issue 6. Art. No.: CD006767. DOI: 10.1002/14651858.CD006767.pub3.

References

1. Jones WS SK, Vemulapalli S, Subherwal S, Patel MR, Hasselblad V, Heidenfelder BL, Chobot MM, Posey R, Wing L, Sanders GD, Dolor RJ. Treatment Strategies for Patients With Peripheral Artery Disease. Comparative Effectiveness Review No. 118. Rockville, MD: Agency for Healthcare Research and Quality; 2013.