

One year on: Test your knowledge from the previous year

1. Literature shows that the global published rate of compliance to EVAR surveillance is:¹
 - A. Approximately 90%
 - B. Approximately 75%
 - C. Approximately 60%
 - D. Approximately 40%
 - E. Approximately 20%
2. The incidence of telangiectatic matting following sclerotherapy is:²
 - A. Less than 1%
 - B. 1–5%
 - C. 5–35%
 - D. 35–50%
 - E. Over 50%
3. Which of the following statements regarding eversion (eCEA) and conventional (cCEA) carotid endarterectomy is correct?³
 - A. In randomised controlled trials, eCEA and cCEA are associated with similar short- (perioperative stroke, death, death/stroke) and long-term (recurrent stenosis) outcomes.
 - B. In randomised controlled trials, cCEA is associated with lower stroke and death rates compared with eCEA.
 - C. In randomised controlled trials, cCEA is associated with higher stroke and death rates compared with eCEA.
 - D. In observational studies, cCEA is associated with lower perioperative stroke and death rates compared with eCEA.
 - E. In data from both randomised controlled trials and observational studies, eCEA is associated with lower stroke and death rates compared with cCEA.
4. When considering recent studies of infra-popliteal angioplasty. Which of the following statements is correct?⁴
 - A. Drug-eluting balloon technology is associated with better wound healing and limb salvage.
 - B. When treating a short stenosis or occlusion (<3 cm), the best option after recoil is the use of drug-eluting stents.
 - C. The use of stents in tibial arteries improves primary patency compared balloon angioplasty.
 - D. A subintimal approach has better primary patency rates than a luminal approach.
 - E. Patients with tissue loss and isolated infra-popliteal disease have better outcomes after angioplasty than patients with concomitant femoral and infra-popliteal disease.
5. Based on the results of the study by Argyriou et al., is there a role of AAA screening with TTE in the selected population?⁵
 - A. Yes, because TTE is considered the gold-standard examination tool for evaluating AAA
 - B. No, because cardiac patients constitute a very small population subgroup any significant conclusions to be drawn
 - C. No, because TTE can detect AAAs only if they exceed the operative threshold
 - D. Yes, because cardiac patients and patients with AAA share common atherosclerotic risk factors, especially in countries with no national screening programs
 - E. No, because it is not cost effective
6. Ishimaru's Aortic Arch Map is based on:⁶
 - A. Static imaging protocols
 - B. MRI image analysis
 - C. Both MRI and CT analysis
 - D. Dynamic imaging protocols
 - E. Angiography

- 7. Which of the following statements is true regarding polyethylene terephthalate (PET) structures:⁷**
- The first described cases of rupture occurred on warp-knitted structures
 - Warp-knitted structures have been discarded and replaced with weft-knitted structures
 - Trilobar filaments are more durable explaining why the use of cylindrical filaments was discontinued
 - Longitudinal ruptures have only been described on warp-knitted structures
 - Longitudinal ruptures mainly occur on the guide-line and the re-meshing-line
- 8. Which constituent of the aortic wall is generally thought to increase with age?⁸**
- Elastin fibers
 - Collagen fibers
 - Endothelial cells
 - Smooth muscle cells
 - Fibroblasts
- 9. What percentage of men have anatomically suitable infrarenal abdominal aortic aneurysms for standard endovascular aneurysm repair?⁹**
- 10%
 - 20%
 - 30%
 - 40%
 - 50%
- 10. How long do Peake et al. recommend athletes abstain from exercise after surgical repair of iliac artery endofibrosis?¹⁰**
- One week
 - Three weeks
 - Six weeks
 - Six months
 - One year

References

- Grima MJ, Boufi M, Law M, Jackson D, Stenson K, Patterson B, et al, Editor's Choice – The Implications of Non-compliance to Endovascular Aneurysm Repair Surveillance: A Systematic Review and Meta-analysis. *Eur J Vasc Endovasc Surg* 2018;**55**:492–502.
- Kadam P, Lim J, Paver I, Connor DE, Parsi K. Telangiectatic Matting is Associated with Hypersensitivity and a Bleeding Tendency. *Eur J Vasc Endovasc Surg* 2018;**55**:554–9.
- Paraskevas KI, Robertson V, Saratzis AN, Naylor AR. Editor's Choice – An Updated Systematic Review and Meta-analysis of Outcomes Following Eversion vs. Conventional Carotid Endarterectomy in Randomised Controlled Trials and Observational Studies. *Eur J Vasc Endovasc Surg* 2018;**55**:465–73.
- Biagioni RB, Biagioni LC, Nasser F, Burihan MC, Ingrund JC, Naser A, et al, Infrapopliteal Angioplasty of One or More than One Artery for Critical Limb Ischaemia: A Randomised Clinical Trial. *Eur J Vasc Endovasc Surg* 2018;**55**:518–27.
- Argyriou C, Georgiadis GS, Kontopodis N, Pherwani AD, Van Herwaarden JA, Hazenberg CEVB, et al, Screening for Abdominal Aortic Aneurysm During Transthoracic Echocardiography: A Systematic Review and Meta-analysis. *Eur J Vasc Endovasc Surg* 2018;**55**:475–91.
- Marrocco-Trischitta MM, van Bakel TM, Romarowski RM, de Beaufort HW, Conti M, van Herwaarden JA, et al, The Modified Arch Landing Areas Nomenclature (MALAN) Improves Prediction of Stent Graft Displacement Forces: Proof of Concept by Computational Fluid Dynamics Modelling. *Eur J Vasc Endovasc Surg* 2018;**55**:584–92.
- Lejay A, Colvard B, Magnus L, Dion D, Georg Y, Papillon J, et al, Explanted Vascular and Endovascular Graft Analysis: Where Do We Stand and What Should We Do?. *Eur J Vasc Endovasc Surg* 2018;**55**:567–76.

- 8 de Beaufort HWL, Ferrara A, Conti M, Moll FL, van Herwaarden JA, Figueroa CA, et al, Comparative Analysis of Porcine and Human Thoracic Aortic Stiffness. *Eur J Vasc Endovasc Surg* 2018;**55**:560–6.
- 9 Greaves NS, Moore A, Seriki D, Ghosh J. Outcomes of Endovascular Aneurysm Repair using the Ovation Stent Graft System in Adverse Anatomy. *Eur J Vasc Endovasc Surg* 2018;**55**:512–7.
- 10 Peake LK, D'Abate F, Farrah J, Morgan M, Hinchliffe RJ. The Investigation and Management of Iliac Artery Endofibrosis: Lessons Learned from a Case Series. *Eur J Vasc Endovasc Surg* 2018;**55**:577–83.

Answers to previous issue (March 2019)

1C, 2B, 3B, 4D, 5B, 6B, 7D