

One year on: Test your knowledge from the previous year

1. Which murine aneurysm model provides the closest mimicry of human disease?¹
 - A. Angiotension II infusion
 - B. Porcine pancreatic elastase perfusion
 - C. Calcium-Chloride application
 - D. Extraluminal elastase application
 - E. Intimal denudation model
2. The absolute indication for treatment of Carotid plaque is:²
 - A. Symptomatic stenosis >70%
 - B. Active plaque ulceration
 - C. Symptomatic Stenosis >50%
 - D. High grade of calcification
 - E. Asymptomatic stenosis of >90%
3. Endovenous-Heat Induced Thrombosis (EHIT) after radiofrequency ablation (RA) of the saphenous veins complicates:³
 - A. The great saphenous vein (GSV) more than small saphenous vein (SSV)
 - B. Affects GSV and SSV equally
 - C. Minimal data exists on SSV outcomes, but it seems that EHIT occurs more frequently in the SSV than in the GSV
 - D. EHIT is often observed in the common iliac vein
 - E. Does not occur with endovenous laser treatment
4. What is the most common protein in the vascular basement membrane?⁴
 - A. MMP-9
 - B. Type I collagen
 - C. Type IV collagen
 - D. Cathepsin L
 - E. Type III collagen
5. Which of the following statements is NOT true regarding Interleukin-1 α ?⁵
 - A. It is a pro-inflammatory cytokine
 - B. It acts by modulating the function of other cells
 - C. It consists of three basic ligands
 - D. It is produced by macrophages
 - E. It can increase the expression of MMPs
6. What is the probability that use of heparinised grafts are more cost effective than standard PTFE grafts?⁶
 - A. Below 25%
 - B. Below 50%
 - C. Above 50%
 - D. Above 75%
 - E. Above 90%
7. All the following statements regarding the DES AAA model developed by Khashram et al are true except for:⁷
 - A. The model estimates the probability of survival for an AAA from 3 to 10 cm
 - B. The model does not take into account patient comorbidities
 - C. The model was externally validated with two datasets
 - D. An operative and non-operative estimated survival is generated
 - E. Data inputs for the model were derived from systematic reviews

8. **Colonic ischaemia occurs following elective abdominal aortic aneurysm repair with a frequency of approximately:**⁸
- 8% for both EVAR and open repair
 - 5% for both EVAR and open repair
 - 1% for EVAR and 2.5% for open repair
 - 2.5% for EVAR and 1% for open repair
 - 1% for both EVAR and open repair
9. **What was the most significant factor influencing future Major adverse limb event (MALE) in the study by Zlatanovic et al in patients with acute limb ischaemia (ALI)?**⁹
- Previous intervention on the affected limb
 - Rutherford IIb on presentation
 - Diabetes mellitus
 - Presence of CKD and contrast induced acute kidney injury
 - Early intervention for ALI
10. **What is the highest reported incidence of incisional hernia after open abdominal aortic aneurysm repair via midline incision.**¹⁰
- 24%
 - 8%
 - 62%
 - 38%
 - 12%
11. **By which two kinds of bias are diagnostic test accuracy reviews and meta-analyses affected?**¹¹
- Reporting bias and detection bias
 - Selection bias and detection bias
 - Selection bias and heterogeneity
 - Publication bias and heterogeneity
 - Publication bias and procedural bias
12. **How can competence in EVAR be ensured?**¹²
- Competence can be ensured by the supervision of a senior colleague or a proctor.
 - Doing a certain number of cases can ensure competence.
 - Reading the textbooks can ensure competence.
 - Competence can be ensured by a standardised and reliable test.
 - EVAR is easy; there is no need to ensure competence.

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Answers from previous issue (June 2019)

1D, 2B, 3B, 4E, 5B, 6D, 7B, 8C, 9E