One year on: Test your knowledge from the previous year

1. Which of these anatomical features is not included in the IFU (Instructions for Use) of the off-the-shelf multi-branched device for the treatment of thoracoabdominal aneurysms?[1]
A. Aortic angulation less than 90° across proximal landing zone
B. Aortic lumen across visceral segment of at least 25 mm
C. Infrarenal aortic angulation less than 60°
D. The distance between branch cuff and target vessel of 20—40 mm
E. Target vessel clock position is within 45-degree deviation from the axis of corresponding branch cuff

2. Which of the following is a risk factor for poor patient compliance with compression hosiery?[2]
A. Male sex
B. Degree of compression
C. Closed toe stockings
D. Standing occupation
E. Age

3. Extra-cranial arterio-venous malformations[3]:
A. Are the most severe form of vascular tumours
B. Are most effectively treated by preoperative embolization and surgical excision, whenever possible
C. Are most effectively embolized using proximal arterial interruption with vascular plug
D. Growth rate is not effected by trauma, hormonal stimulation or incomplete surgery.
E. Are effectively treated by antiangiogenic therapy.

4. Among persons with normal lower extremity blood flow, after exercise the ankle-brachial index (ABI) will[4]:
A. Increase sharply
B. Decrease sharply
C. Increase initially followed by a decrease
D. Will be unchanged, or decrease or increase slightly
E. Decrease among women but not men.

5. Which of the following arteries would is the best target for a distal bypass to manage a lateral plantar ulcer according to the angiosome concept?[5]
A. anterior tibial artery with patent dorsals pedis but interrupted pedal arch.
B. posterior tibial artery with occluded medial plantar artery.
C. posterior tibial artery with occluded lateral plantar artery.
D. peroneal artery with present terminal connections to either anterior or posterior tibial arteries.
E. peroneal artery with diseased maleolar branches.

6. Which of the following statements regarding the bovine arch is false[6]:
A. It represents the most common variation of the aortic arch.
B. It reflects the aortic arch branch pattern found in cattle.
C. It is determined if the brachiocephalic trunk and LCCA are separated at a point cranial to the level of the outer curvature of the aortic arch.
D. An arch with a common origin of the brachiocephalic trunk and the LCCA is considered as bovine arch.
E. An arch with the origin of the LCCA from the brachiocephalic trunk is considered a bovine arch.

7. Indicate which of these factors is not involved in vascular calcification?[7]
A. alfa-fetuin
B. klotho
C. BMP2
D. fibrin
E. apoptotic dust

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Answers from the previous issue (February 2019)

1A, 2E, 3A, 4C, 5D, 6C, 7C, 8B, 9B, 10E, 11E, 12D.