

## SINGAPORE MEDICAL COUNCIL CATEGORY 3B CME PROGRAMME

(Code SMJ 202003B)

**Question 1.** Concerning the clinical presentation of intramuscular haemangiomas:

- (a) They may present as painless masses.
- (b) Pain may be noticeable after exercise.
- (c) Skin discolouration is common in cavernous haemangiomas.
- (d) Large arteriovenous (AV) haemangiomas may result in increased cardiac output.

True      False

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**Question 2.** Regarding imaging of intramuscular haemangiomas:

- (a) Radiographs help in detection of bone erosion.
- (b) Ultrasonography is the best imaging technique for the detection of phleboliths.
- (c) Computed tomography always shows intense lesion enhancement similar to that of adjacent blood vessels.
- (d) Angiography is usually reserved for lesions that require embolisation.

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**Question 3.** Nonvascular tissue components that are commonly found in intramuscular haemangiomas include:

- (a) Nerve fibres.
- (b) Fat.
- (c) Smooth muscle.
- (d) Calcification.

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**Question 4.** Regarding the magnetic resonance (MR) imaging features of cavernous haemangiomas:

- (a) Fluid-fluid levels represent areas of previous bleeding.
- (b) Phleboliths are hypointense on T2-weighted images.
- (c) The masses usually appear well-circumscribed on T1-weighted images.
- (d) Areas of marked T2-hyperintense signal within the lesion indicate vascular channels.

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**Question 5.** Regarding the imaging features of AV haemangiomas:

- (a) On MR imaging, AV haemangiomas contain high-flow vascular channels which are seen as curvilinear or serpentine areas of flow void on all pulse sequences.
- (b) AV shunting does not occur in association with cavernous haemangioma.
- (c) Enlarged tortuous feeding vessels with intense tumour staining and early draining veins are characteristic features.
- (d) Angiography plays no useful role.

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### Doctor's particulars:

Name in full: \_\_\_\_\_ MCR no.: \_\_\_\_\_  
Specialty: \_\_\_\_\_ Email: \_\_\_\_\_

#### SUBMISSION INSTRUCTIONS:

Visit the SMJ website: <http://www.smj.org.sg/current-issue> and select the appropriate quiz. You will be redirected to the SMA login page.

**For SMA member:** (1) Log in with your username and password (if you do not know your password, please click on 'Forgot your password?'). (2) Select your answers for each quiz and click 'Submit'.

**For non-SMA member:** (1) Create an SMJ CME account, or log in with your SMJ CME username and password (for returning users). (2) Make payment of SGD 21.40 (inclusive of 7% GST) via PayPal to access this month's quizzes. (3) Select your answers for each quiz and click 'Submit'.

#### RESULTS:

(1) Answers will be published online in the SMJ May 2020 issue. (2) The MCR numbers of successful candidates will be posted online at the SMJ website by 11 May 2020. (3) Passing mark is 60%. No mark will be deducted for incorrect answers. (4) The SMJ editorial office will submit the list of successful candidates to the Singapore Medical Council. (5) One CME point is awarded for successful candidates. (6) SMC credits CME points according to the month of publication of the CME article (i.e. points awarded for a quiz published in the March 2020 issue will be credited for the month of March 2020, even if the deadline is in May 2020).

**Deadline for submission (March 2020 SMJ 3B CME programme): 12 noon, 4 May 2020.**