

SINGAPORE MEDICAL COUNCIL CATEGORY 3B CME PROGRAMME

(Code SMJ 202204B)

Question 1. These can produce pseudo-arrhythmias:

- (a) Parkinson's tremor
- (b) Convulsive seizures
- (c) Shivering
- (d) Hypernatraemia

True	False
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>

Question 2. Regarding the Parkinsonian tremor on an electrocardiogram (ECG):

- (a) It has a similar frequency to atrial flutter.
- (b) It may be misinterpreted as atrial fibrillation.
- (c) It may be misinterpreted as atrial flutter.
- (d) It cannot be misinterpreted as ventricular tachycardia.

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<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>

Question 3. Regarding misinterpretation of artefactual ECG changes for true arrhythmias:

- (a) It may result in undertreatment of the precipitating cause.
- (b) It is not harmful.
- (c) It may lead to additional investigations and treatments.
- (d) It can result in the mistaken placement of an implantable cardioverter-defibrillator.

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Question 4. Regarding how to distinguish pseudo-arrhythmias:

- (a) Pseudo-arrhythmias have characteristic p waves/QRS complexes that help to distinguish them from true arrhythmias.
- (b) Pseudo-arrhythmias have normal complexes marching throughout the event.
- (c) Repositioning of electrodes can help to reduce the effect of pseudo-arrhythmias seen on ECGs.
- (d) Tremors may cause continuous global p wave changes.

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Question 5. Regarding the common pitfalls of ECG interpretation:

- (a) Computer ECG diagnosis differentiates artefacts easily.
- (b) Computer ECG diagnosis may misinterpret tremors as AFL if the tremors are of a similar frequency as pseudo-flutter.
- (c) Incorrect calibration along the vertical scale can lead to concerns over ST elevation myocardial infarction.
- (d) Artefacts can be minimised by optimising lead placements closer to the torso.

<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
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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 June 2022 issue. (2) The MCR numbers of successful candidates will be posted online at the SMJ website by 30 June 2022. (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 December 2021 issue will be credited for the month of December 2021, even if the deadline is in February 2022).

Deadline for submission (April 2022 SMJ 3B CME programme): 12 noon, 23 June 2022.