

## SINGAPORE MEDICAL COUNCIL CATEGORY 3B CME PROGRAMME (Code SMJ 202205B)

**Question 1.** Regarding portal venous gas:

- (a) It refers to accumulation of gas in the intrahepatic biliary system.
- (b) Up to 15% of cases have no identifiable causes.
- (c) The majority of cases are due to gastrointestinal tract diseases.
- (d) Roughly 10% of portal venous gas cases are secondary to bowel ischaemia.

True      False

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**Question 2.** The aetiologies of portal venous gas are:

- (a) Pregnancy
- (b) Chronic obstructive pulmonary disease
- (c) Bowel ischaemia
- (d) Emphysematous pyelonephritis

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**Question 3.** Regarding imaging evaluation of portal venous gas:

- (a) Ultrasonography is the best imaging tool for the diagnosis of portal venous gas.
- (b) Portal venous gas is often initially diagnosed on plain radiography.
- (c) Computed tomography (CT) is often performed to confirm portal venous gas and investigate its causative factors.
- (d) Doppler ultrasonography is ineffective in the diagnosis and follow-up of portal venous gas.

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**Question 4.** Possible imaging features of portal venous gas on plain radiography are:

- (a) Linear branching lucencies leading to hepatic parenchyma
- (b) Pneumatosis intestinalis
- (c) Common bile duct stent
- (d) Bowel dilation

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**Question 5.** Regarding the CT features of portal venous gas:

- (a) It appears as centrally located gaseous lucencies in the liver.
- (b) It appears as linear branching hypodensities extending to within 2 cm of the hepatic edge.
- (c) It appears as gaseous lucencies in the portal vein and tributaries.
- (d) Centripetal biliary flow is responsible for the CT features.

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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 July 2022 issue. (2) The MCR numbers of successful candidates will be posted online at the SMJ website by 29 July 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 (May 2022 SMJ 3B CME programme): 12 noon, 22 July 2022.**