

Pathology INI-25 (May) Reworked

Subject: Pathology

Topic: Renal System

Subtopic: Diabetic Kidney disease

Question Number: 1

Clinical question:

In a patient with diabetic kidney disease, which of the following is not considered a typical glomerular lesion?

Options:

- A) Podocyte dropout
- B) Mesangial expansion
- C) Diffuse Glomerular basement membrane (GBM) thickening
- D) Armani-Ebstein lesions

Correct Answer: D) Armani-Ebstein lesions

Subject: Pathology

Topic: Miscellaneous

Subtopic: Obesity and Cancer

Question Number: 2

Non- Clinical Question

All the following are associated with obesity EXCEPT?

Options:

- A) Meningioma
- B) Multiple myeloma
- C) Gastric cancer
- D) Pancreatic cancer

Correct Answer: B) Multiple Myeloma

Subject: Pathology

Topic: Neoplasia

Subtopic: Genes

Question Number: 3

Non-clinical question:

Identify the incorrect combination:

Options:

- A) STK-11 - Breast cancer
- B) BRCA2 – Prostate cancer
- C) PTEN - Thyroid carcinoma
- D) P53 - Mucosal neuroma

Correct Answer: D) P53 - Mucosal neuroma

Subject: Pathology

Topic: Hematology

Subtopic: Bleeding Disorders

Question Number: 4

Non-clinical question

Which is the most common inherited bleeding disorder?

Options:

- A) Haemophilia
- B) Von Willebrand Disease (vWD)
- C) DIC
- D) Factor V deficiency

Correct Answer: B) Von Willebrand Disease (vWD)

Subject: Pathology

Topic: Genetic Disorders

Subtopic: Chromosomal Disorders

Question Number: 5

Clinical question

All the following are seen in Turner's syndrome EXCEPT?

Options:

- A) Prominent occiput
- B) Short 4th metacarpal
- C) Webbed neck
- D) Widely spaced nipples

Correct Answer: A) Prominent occiput

Subject: Pathology

Topic: Genetics

Subtopic: Aneuploidy

Question Number: 6

Non-clinical Question:

All the following are aneuploidy disorders EXCEPT?

Options:

- A) Trisomy 21
- B) Trisomy 13
- C) Klinefelter syndrome
- D) Bloom syndrome

Correct Answer: D) Bloom syndrome

Subject: Pathology

Topic: General Pathology – Cell Injury

Subtopic: Types of Cell Death

Question Number: 7

Question – Non- Clinical Question

Caspase-1 is primarily involved in which type of programmed cell death?

Options:

- A) Necroptosis
- B) Pyroptosis
- C) Apoptosis
- D) Ferroptosis

Correct Answer: B) Pyroptosis

Subject: Pathology

Topic: Neoplasia

Subtopic: Breast Cancer- tumor genes

Question Number: 8

Clinical Question

A 32-year-old woman presents with a 3-month history of breast swelling. Her aunt developed breast cancer in her 30s. She has a 29-year-old younger sister who also requires genetic testing, but only one test can be afforded. Which genetic test should be prioritized? **Options:**

- A) BRCA 1
- B) PTEN
- C) TP53
- D) CDH

Correct Answer: A) BRCA1

Subject: Pathology

Topic: Inflammation

Subtopic: Free-Radicals

Question Number: 9

Non-clinical question

Which of the following statements about free radicals is NOT true?

- A) Seen in fibrinoid necrosis
- B) Superoxide dismutase (SOD) inactivates free radicals
- C) They mediate the respiratory burst
- D) They cause lipid peroxidation of membrane lipids

Options:

- A) a, b, c, and d
- B) b, c and d
- C) c and d
- D) Only d

Correct Answer: B) b, c and d

Subject: Pathology

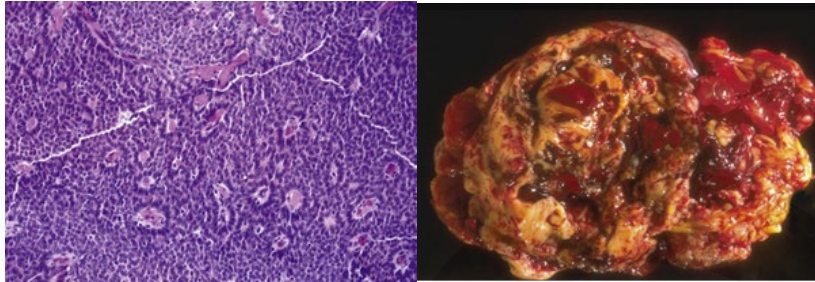
Topic: Female Genital Tract

Subtopic: Ovarian Tumors

Question Number: 10

Clinical question

Which of the following statements are correct regarding the condition demonstrated in the given images?



- 1) Sex cord stromal tumor
- 2) Inhibin positive
- 3) Ca125 is high
- 4) Call-Exner bodies are seen on histopathological exam

Options:

- A) 1, 2, 3, 4
- B) 2, 4
- C) 1, 2, 4
- D) 2, 3, 4

Correct Answer: C) 1,2, 4

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