

CLINICAL CHEMISTRY

COMPILED MTAP QUIZZES CLINICAL CHEMISTRY I

An elevated creatinine value is most likely to be accompanied by which of these values?

- a. normal blood urea nitrogen
- b. elevated uric acid, 10x creatinine value
- c. elevated blood urea nitrogen, 10x creatinine value
- d. normal uric acid

What is the standard glucose load in OGTT for average-weight non-pregnant adults?

- a. 200 g
- b. 100 g
- c. 75 g
- d. 50 g

Which of the following correctly lists electromagnetic radiation from low energy to high energy?

- a. visible, infrared, UV
- b. infrared, visible, UV
- c. UV, visible, infrared
- d. visible, UV, infrared

The etiology of gestational diabetes mellitus is related to:

- a. insulin receptor defect
- b. autoimmunity
- c. hormonal changes
- d. genetic predisposition

Which of the following proteins migrates to the α_2 region at pH 8.6?

- a. haptoglobin
- b. transferrin
- c. orosomucoid
- d. antichymotrypsin

Body mass index of 25 to 29.9 kg/m² is interpreted as

- a. obese
- b. overweight
- c. underweight
- d. normal

If a patient has fistula on the right arm, blood should be collected from the

- a. left hand
- b. left arm
- c. right hand
- d. right arm

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What is the Westgard rule violation when two consecutive control observations exceed either the +2SD in the same direction?

- a. 22s
- b. 41s
- c. 12s
- d. R4s

Which of the following statements concerning chylomicrons is incorrect?

- a. transport dietary lipids to the liver
- b. produced in the intestinal mucosa
- c. remains at the origin during electrophoresis
- d. major lipid transported is cholesterol

Which are positive acute phase reactants? I. α_1 -Anti-trypsin
II. α_1 -Acid glycoprotein III. C-Reactive Protein

- a. II, III
- b. I, II, III
- c. I, III
- d. I, II

Which part of a spectrophotometer isolates a specific wavelength of light and focuses it on the sample?

- a. entrance slit
- b. photodetector
- c. monochromator
- d. chopper

What factor should be used when converting triglyceride concentrations from mg/dL to mmol/L?

- a. 0.026
- b. 0.357
- c. 0.0113
- d. 0.0595

Which of the following cholesterol values is associated with high risk for CHD among young adults aged 20-29 years old?

- a. >260 mg/dL
- b. >240 mg/dL
- c. >200 mg/dL
- d. >220 mg/dL

Six or more consecutive control values distribute themselves on one side of the mean but maintain a constant level. This is consistent with a:

- a. outlier
- b. shift
- c. trend
- d. random error

The amount in grams per liter divided by the molecular weight of a compound equals

- a. valence
- b. normality

Clinical Chemistry Exam Questions

David N. Bailey, Robert L. Fitzgerald



Clinical Chemistry Exam Questions:

Contemporary Practice in Clinical Chemistry William Clarke, Mark Marzinke, 2020-06-11 *Contemporary Practice in Clinical Chemistry* Fourth Edition provides a clear and concise overview of important topics in the field. This new edition is useful for students, residents, and fellows in clinical chemistry and pathology, presenting an introduction and overview of the field to assist readers as they review and prepare for board certification examinations. For new medical technologists, the book provides context for understanding the clinical utility of tests that they perform or use in other areas in the clinical laboratory. For experienced laboratorians, this revision continues to provide an opportunity for exposure to more recent trends and developments in clinical chemistry. Includes enhanced illustration and new and revised color figures. Provides improved self-assessment questions and end of chapter assessment questions.

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web jan 28 2019 by mapping specific trends directly onto a blank periodic table the activity uses the periodic table as a

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web you might need periodic table the first two ionization energies for beryllium are shown below be g be g e be g be 2 g e i 1 900 kj mol i 2 1757 kj mol which of the following identifies the most probable value for the third ionization energy for be and provides the best justification

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web 1 how does atomic radius change as you move from left to right across a period explain your answer in terms of the number of protons in the nucleus 2 how does atomic radius change as you move from top to bottom in a group explain your answer in terms of the number of electron shells 3 on the representation of the periodic table below

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web caragabriel preview chemistry test oct 7 11 43 terms misterlominyo preview terms in this set 25 each element has 3 numbers listed under it which value represents the atomic radius the first number below the diagram what are the units for the atomic radius pm picometers 10 negative twelve meters

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