ASCP STUDY GUIDE 18-CHEMISTRY 243 questions with complete solutions

Following overnight fasting, hypoglycemia in adults is defined as a glucose of: Correct Answer: <45 mg/dL (<2.5 mmol/L)

Diagnosis of hypoglycemia in adults.

The following results are from a 21-year-old patient with a back injury who appears otherwise healthy:

whole blood glucose: 77 mg/dL (4.2 mmol/L) serum glucose: 88 mg/dL (4.8 mmol/L) CSF glucose: 56 mg/dL (3.1 mmol/L)

The best interpretation of these results is that: Correct Answer: all values are consistent with a normal healthy individual

The preparation of a patient for standard glucose tolerance testing should include: Correct Answer: a high carbohydrate diet for 3 days

If a fasting glucose was 90 mg/dL, which of the following 2-hr postprandial glucose results would most closely represent normal glucose metabolism? Correct Answer: 100 mg/dL (5.5 mmol/L)

Normal 2-hour postprandial value.

A healthy person with a blood glucose of 80 mg/dL (4.4 mmol/L) would have a simultaneously determined cerebrospinal fluid glucose value of. Correct Answer: 50 mg/dL (2.3 mmol/L)

A 25-year-old man became nauseated and vomited 90 minutes after receiving a standard 75 g carbohydrate dose for an oral glucose tolerance test. The best course of action is to. Correct Answer: draw blood for glucose and discontinue test

Use of partial GTT information.

Cerebrospinal fluid for glucose assay should be: a refrigerated Correct Answer: analyzed immediately

Which of the following 2 hour postprandial glucose values demonstrates unequivocal hyperglycemia diagnostic for diabetes mellitus? Correct Answer: 200 mg/dL (11.0 mmol/L)

Serum levels that define hypoglycemia in pre-term or low birth weight infants are: Correct Answer: lower than adults

A 45-year-old woman has a fasting serum glucose concentration of 95 mg/dL (5.2 mmol/L) and a 2-hr postprandial glucose concentration of 105 mg/dL (5.8 mmol/L). The statement which best

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Susan McMurry

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