

QUESTION

1. A patient with a long history of alcohol abuse presents with a 2-week history of weight loss, weakness, and confusion. On admission, the patient is found to have a serum glucose of 100 mg/dL, serum sodium of 125 mEq/L, and serum bicarbonate of 18 mEq/L. The patient's arterial blood gas (ABG) shows a pH of 7.35, a partial pressure of carbon dioxide (PCO₂) of 38 mmHg, and a partial pressure of oxygen (PO₂) of 100 mmHg. The patient's anion gap is 16 mEq/L. The patient's urine is positive for ketones. The patient's serum lactate is 2.5 mmol/L. The patient's serum salicylate level is 0.5 mg/dL. The patient's serum salicylate level is 0.5 mg/dL. The patient's serum salicylate level is 0.5 mg/dL.

Parameter	Value
Serum glucose	100 mg/dL
Serum sodium	125 mEq/L
Serum bicarbonate	18 mEq/L
ABG pH	7.35
ABG PCO ₂	38 mmHg
ABG PO ₂	100 mmHg
Anion gap	16 mEq/L
Urine ketones	Positive
Serum lactate	2.5 mmol/L
Serum salicylate	0.5 mg/dL

2. A patient with a long history of alcohol abuse presents with a 2-week history of weight loss, weakness, and confusion. On admission, the patient is found to have a serum glucose of 100 mg/dL, serum sodium of 125 mEq/L, and serum bicarbonate of 18 mEq/L. The patient's arterial blood gas (ABG) shows a pH of 7.35, a partial pressure of carbon dioxide (PCO₂) of 38 mmHg, and a partial pressure of oxygen (PO₂) of 100 mmHg. The patient's anion gap is 16 mEq/L. The patient's urine is positive for ketones. The patient's serum lactate is 2.5 mmol/L. The patient's serum salicylate level is 0.5 mg/dL. The patient's serum salicylate level is 0.5 mg/dL. The patient's serum salicylate level is 0.5 mg/dL.

ANSWER



3. A patient with a long history of alcohol abuse presents with a 2-week history of weight loss, weakness, and confusion. On admission, the patient is found to have a serum glucose of 100 mg/dL, serum sodium of 125 mEq/L, and serum bicarbonate of 18 mEq/L. The patient's arterial blood gas (ABG) shows a pH of 7.35, a partial pressure of carbon dioxide (PCO₂) of 38 mmHg, and a partial pressure of oxygen (PO₂) of 100 mmHg. The patient's anion gap is 16 mEq/L. The patient's urine is positive for ketones. The patient's serum lactate is 2.5 mmol/L. The patient's serum salicylate level is 0.5 mg/dL. The patient's serum salicylate level is 0.5 mg/dL. The patient's serum salicylate level is 0.5 mg/dL.