

### QUESTION

1. A patient with a long history of alcohol abuse presents with a 2-week history of confusion, tremors, and weight loss. On physical examination, there are bilateral optic atrophies, a hyperreflexic and clonus, and a positive Babinski sign. The patient's laboratory studies are as follows:

Test	Result
Glucose	100 mg/dL
Serum sodium	125 mEq/L
Serum calcium	8.5 mg/dL
Serum magnesium	0.8 mg/dL
Serum potassium	3.5 mEq/L
Serum albumin	3.5 g/dL
Serum total bilirubin	1.5 mg/dL
Serum aspartate aminotransferase (AST)	100 U/L
Serum alanine aminotransferase (ALT)	150 U/L
Serum gamma-glutamyl transaminase (GGT)	200 U/L
Serum creatinine	1.2 mg/dL
Serum prothrombin time (PT)	15 seconds
Serum international normalized ratio (INR)	1.5
Serum ammonia	100 µmol/L
Serum lactate	2.0 mmol/L
Serum uric acid	6.0 mg/dL
Serum ferritin	100 µg/L
Serum ferritin	100 µg/L
Serum ferritin	100 µg/L

2. A 65-year-old man with a long history of alcohol abuse presents with a 2-week history of confusion, tremors, and weight loss. On physical examination, there are bilateral optic atrophies, a hyperreflexic and clonus, and a positive Babinski sign. The patient's laboratory studies are as follows:

Test	Result
Glucose	100 mg/dL
Serum sodium	125 mEq/L
Serum calcium	8.5 mg/dL
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3. A 65-year-old man with a long history of alcohol abuse presents with a 2-week history of confusion, tremors, and weight loss. On physical examination, there are bilateral optic atrophies, a hyperreflexic and clonus, and a positive Babinski sign. The patient's laboratory studies are as follows:

### ANSWER



4. A 65-year-old man with a long history of alcohol abuse presents with a 2-week history of confusion, tremors, and weight loss. On physical examination, there are bilateral optic atrophies, a hyperreflexic and clonus, and a positive Babinski sign. The patient's laboratory studies are as follows: