

### QUESTION

1. A patient with a long history of alcohol abuse presents with a 2-week history of weight loss, weakness, and confusion. On physical examination, the patient has a temperature of 38.0°C, a heart rate of 110 beats per minute, a blood pressure of 100/60 mm Hg, and a respiratory rate of 20 breaths per minute. The patient has a dry mucous membrane, tachycardia, and a positive Babinski sign. The patient's laboratory studies are as follows:

Test	Result
White blood cell count	12,000/mm <sup>3</sup>
Hemoglobin	10 g/dL
Hematocrit	30%
Serum albumin	2.5 g/dL
Serum bilirubin	2.0 mg/dL
Serum creatinine	1.5 mg/dL
Serum ammonia	100 μmol/L
Serum prothrombin time	18 seconds
Serum lactate dehydrogenase	1000 U/L
Serum aspartate aminotransferase	150 U/L
Serum alanine aminotransferase	100 U/L
Serum gamma-glutamyl transaminase	200 U/L
Serum alkaline phosphatase	100 U/L
Serum ferritin	100 ng/mL
Serum ferritin	100 ng/mL
Serum ferritin	100 ng/mL

2. A 65-year-old man with a long history of alcohol abuse presents with a 2-week history of weight loss, weakness, and confusion. On physical examination, the patient has a temperature of 38.0°C, a heart rate of 110 beats per minute, a blood pressure of 100/60 mm Hg, and a respiratory rate of 20 breaths per minute. The patient has a dry mucous membrane, tachycardia, and a positive Babinski sign. The patient's laboratory studies are as follows:

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Serum gamma-glutamyl transaminase	200 U/L
Serum alkaline phosphatase	100 U/L
Serum ferritin	100 ng/mL
Serum ferritin	100 ng/mL
Serum ferritin	100 ng/mL

### ANSWER



### EXPLANATION

1. The patient's symptoms and physical examination findings are consistent with alcoholic liver disease. The patient's laboratory studies show a positive Babinski sign, which is a sign of upper motor neuron dysfunction. The patient's laboratory studies also show a positive Babinski sign, which is a sign of upper motor neuron dysfunction.