

QUESTION

1. A patient with a long history of alcohol abuse presents with a 2-week history of progressive weakness, weight loss, and decreased appetite. Physical examination reveals a thin, elderly man with a yellowish tint to the skin and sclera. Laboratory studies show a total bilirubin of 2.5 mg/dL, alkaline phosphatase of 150 U/L, and aspartate aminotransferase of 45 U/L. The patient's medical history is significant for chronic alcoholism, hypertension, and type 2 diabetes mellitus. He is currently on metoprolol and metformin. The patient's family history is unremarkable. The patient's social history is significant for a 30-year history of alcohol abuse, with approximately 4-5 drinks per day. He has quit smoking 10 years ago. The patient's diet is poor, with a high intake of alcohol and a low intake of fruits and vegetables. The patient's physical examination is significant for a thin, elderly man with a yellowish tint to the skin and sclera. Laboratory studies show a total bilirubin of 2.5 mg/dL, alkaline phosphatase of 150 U/L, and aspartate aminotransferase of 45 U/L. The patient's medical history is significant for chronic alcoholism, hypertension, and type 2 diabetes mellitus. He is currently on metoprolol and metformin. The patient's family history is unremarkable. The patient's social history is significant for a 30-year history of alcohol abuse, with approximately 4-5 drinks per day. He has quit smoking 10 years ago. The patient's diet is poor, with a high intake of alcohol and a low intake of fruits and vegetables.

Parameter	Value	Reference Range
Total Bilirubin	2.5 mg/dL	0.1-1.2 mg/dL
Alkaline Phosphatase	150 U/L	40-120 U/L
Aspartate Aminotransferase	45 U/L	0-37 U/L
Gamma-Glutamyl Transaminase	120 U/L	0-37 U/L
Prothrombin Time	15.5 seconds	11.5-13.5 seconds
International Normalized Ratio	1.5	0.8-1.2
Albumin	3.5 g/dL	3.5-5.0 g/dL
Proteinuria	None	None
Microalbuminuria	None	None
Glomerular Filtration Rate	15 mL/min/1.73 m ²	15-60 mL/min/1.73 m ²
Estimated Glomerular Filtration Rate	15 mL/min/1.73 m ²	15-60 mL/min/1.73 m ²
Urea Nitrogen	18 mg/dL	7-20 mg/dL
Creatinine	1.5 mg/dL	0.7-1.3 mg/dL
BUN/Creatinine Ratio	12	10-20
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Creatinine	1.5 mg/dL	0.7-1.3 mg/dL
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2. A patient with a long history of alcohol abuse presents with a 2-week history of progressive weakness, weight loss, and decreased appetite. Physical examination reveals a thin, elderly man with a yellowish tint to the skin and sclera. Laboratory studies show a total bilirubin of 2.5 mg/dL, alkaline phosphatase of 150 U/L, and aspartate aminotransferase of 45 U/L. The patient's medical history is significant for chronic alcoholism, hypertension, and type 2 diabetes mellitus. He is currently on metoprolol and metformin. The patient's family history is unremarkable. The patient's social history is significant for a 30-year history of alcohol abuse, with approximately 4-5 drinks per day. He has quit smoking 10 years ago. The patient's diet is poor, with a high intake of alcohol and a low intake of fruits and vegetables. The patient's physical examination is significant for a thin, elderly man with a yellowish tint to the skin and sclera. Laboratory studies show a total bilirubin of 2.5 mg/dL, alkaline phosphatase of 150 U/L, and aspartate aminotransferase of 45 U/L. The patient's medical history is significant for chronic alcoholism, hypertension, and type 2 diabetes mellitus. He is currently on metoprolol and metformin. The patient's family history is unremarkable. The patient's social history is significant for a 30-year history of alcohol abuse, with approximately 4-5 drinks per day. He has quit smoking 10 years ago. The patient's diet is poor, with a high intake of alcohol and a low intake of fruits and vegetables.

ANSWER



3. A patient with a long history of alcohol abuse presents with a 2-week history of progressive weakness, weight loss, and decreased appetite. Physical examination reveals a thin, elderly man with a yellowish tint to the skin and sclera. Laboratory studies show a total bilirubin of 2.5 mg/dL, alkaline phosphatase of 150 U/L, and aspartate aminotransferase of 45 U/L. The patient's medical history is significant for chronic alcoholism, hypertension, and type 2 diabetes mellitus. He is currently on metoprolol and metformin. The patient's family history is unremarkable. The patient's social history is significant for a 30-year history of alcohol abuse, with approximately 4-5 drinks per day. He has quit smoking 10 years ago. The patient's diet is poor, with a high intake of alcohol and a low intake of fruits and vegetables. The patient's physical examination is significant for a thin, elderly man with a yellowish tint to the skin and sclera. Laboratory studies show a total bilirubin of 2.5 mg/dL, alkaline phosphatase of 150 U/L, and aspartate aminotransferase of 45 U/L. The patient's medical history is significant for chronic alcoholism, hypertension, and type 2 diabetes mellitus. He is currently on metoprolol and metformin. The patient's family history is unremarkable. The patient's social history is significant for a 30-year history of alcohol abuse, with approximately 4-5 drinks per day. He has quit smoking 10 years ago. The patient's diet is poor, with a high intake of alcohol and a low intake of fruits and vegetables.