

# Gastrointestinal Pathophysiology Self-Assessment

Gastro. Pathophysiology

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Laurence Scott Bailen, Tamsin Knox, Paul Abourjaily, Fredric D. Gordon, Marshall Kaplan, Andrew G. Plaut. PPY 222 Gastrointestinal Pathophysiology, Spring 2007. (Tufts University OpenCourseWare), <http://ocw.tufts.edu/Course/47> (Accessed 3 May, 2014). License: Creative Commons BY-NC-SA

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## 4. Chapter: 01. Esophageal Dysfunction

### 1. 01. Esophageal Dysfunction Questions

#### 4.1.1. A 54 year-old man complains of frequent heartburn. He reports a bur...

Author: Laurence Bailen

A 54 year-old man complains of frequent heartburn. He reports a burning sensation in his chest within an hour of eating a large meal. He notes a similar sensation when he is in a supine position, particularly at bedtime. He denies any dysphagia or odynophagia.

Which of the following is the most likely mechanism resulting in the patient's symptoms?

Please choose all the answers that apply:

- Absent peristalsis in the esophageal body
- Transient relaxations of the LES (lower esophageal sphincter) without peristalsis
- Multiple, simultaneous peristaltic contractions
- High amplitude peristaltic contractions in the esophageal body
- High LES pressure with failure of the LES to relax with swallowing

Check the answer of this question online at QuizOver.com:

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#### 4.1.2. A 75 year-old woman complains of severe chest pain. A cardiac evalu...

Author: Laurence Bailen

A 75 year-old woman complains of severe chest pain. A cardiac evaluation is unrevealing. An upper endoscopy shows erythema and linear ulcerations in the distal esophagus. Her only medication is synthroid (thyroid hormone replacement).

Which of the following is the most likely explanation for these endoscopic findings?

Please choose all the answers that apply:

- Caustic injury
- Cytomegalovirus infection
- Mucosal injury from bile
- Mucosal injury from acid
- Mucosal injury from a foreign body

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#### 4.1.3. A 62 year-old woman complains of progressive dysphagia to both soli...

Author: Laurence Bailen

A 62 year-old woman complains of progressive dysphagia to both solids and liquids. She has intermittent symptoms of heartburn. Her physical exam is remarkable for very taut skin on the face as well as sclerodactyly. An upper endoscopy is unrevealing. An esophageal motility study is performed.

Which of the following manometric findings is most likely in this patient?

Please choose all the answers that apply:

- High LES pressure; Low or absent peristaltic activity in the esophageal body; Normal LES relaxation with swallowing
- High LES pressure; Normal peristaltic activity in the esophageal body; Abnormal LES relaxation with swallowing
- Low LES pressure; Low or absent peristaltic activity in the esophageal body with swallowing; Abnormal LES relaxation with swallowing
- Low LES pressure; Normal peristaltic activity in the esophageal body; Normal LES relaxation with swallowing
- Low LES pressure; Normal peristaltic activity in the esophageal body; Abnormal LES relaxation with swallowing

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## 4. Chapter: 02. Drugs in GI Diseases Pharmacology

### 1. 02. Drugs in GI Diseases Pharmacology Questions

#### 4.1.1. A 45 year-old man comes to the emergency room after passing tarry b...

Author: Laurence Bailen

A 45 year-old man comes to the emergency room after passing tarry black stool for 3 days. He has had intermittent epigastric pain with nausea but no vomiting. An upper endoscopy is performed and a large ulcer in the duodenal bulb is seen.

Which of the following would you most likely find in this patient's stomach?

Please choose all the answers that apply:

- Basal acid production twice below normal
- High acid production in response to a meal
- Negative rapid urease test for h.pylori
- Reduced sensitivity of parietal cells to gastrin
- Very high serum gastrin levels

Check the answer of this question online at QuizOver.com:

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#### 4.1.2. An 85 year-old woman is taking aspirin after recently suffering a m...

Author: Laurence Bailen

An 85 year-old woman is taking aspirin after recently suffering a myocardial infarction. She is admitted to the hospital from the nursing home with coffee ground emesis and several days of black stool. She is found to be hypotensive in the emergency room and severely anemic. She receives intravenous fluid, packed red blood cell transfusions, and pantoprazole intravenously. Once she is stabilized, an upper endoscopy is performed. Multiple small gastric ulcers are seen in the gastric antrum. They are all superficial and not actively bleeding.

Which of the following is the most likely cause for this patient's ulcers?

Please choose all the answers that apply:

- h.pylori infection
- Lack of gastric mucus
- Exuberant blood supply to stomach
- Inhibition of cyclooxygenase
- Very high gastric acid production

Check the answer of this question online at QuizOver.com:

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#### 4.1.3. A 48 year-old man is seen by his primary care physician for evaluat...

Author: Laurence Bailen

A 48 year-old man is seen by his primary care physician for evaluation of epigastric abdominal pain and nausea of 3 months duration. There has been no vomiting, hematemesis, or melena (gastrointestinal bleeding). He does not use aspirin or other non-steroidal anti-inflammatory medications. His primary care doctor recommends beginning over the counter prilosec, one tablet in the morning, and she checks H.pylori serology which returns positive.

Which of the following would you most likely expect to see in this patient?

Please choose all the answers that apply:

- Positive urea breath test
- Type A gastritis
- Gastrin level greater than 1000
- Pernicious anemia
- Numerous ulcers in the 3rd and 4th portion of the duodenum

Check the answer of this question online at QuizOver.com:

Question: [A 48 year-old man is seen by his primary Dr. Laurence Bailen @Tufts](#)

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## 4. Chapter: 03. Gastric and Duodenal Dysfunction

### 1. 03. Gastric and Duodenal Dysfunction Questions

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Author: Laurence Bailen

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Which of the following would you most likely find in this patient's stomach?

Please choose all the answers that apply:

- Basal acid production twice below normal
- High acid production in response to a meal
- Negative rapid urease test for h.pylori
- Reduced sensitivity of parietal cells to gastrin
- Very high serum gastrin levels

Check the answer of this question online at QuizOver.com:

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Which of the following is the most likely cause for this patient's ulcers?

Please choose all the answers that apply:

- h.pylori infection
- Lack of gastric mucus
- Exuberant blood supply to stomach
- Inhibition of cyclooxygenase
- Very high gastric acid production

Check the answer of this question online at QuizOver.com:

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Author: Laurence Bailen

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Which of the following would you most likely expect to see in this patient?

Please choose all the answers that apply:

- Positive urea breath test
- Type A gastritis
- Gastrin level greater than 1000
- Pernicious anemia
- Numerous ulcers in the 3rd and 4th portion of the duodenum

Check the answer of this question online at QuizOver.com:

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## 4. Chapter: 04. Pathophysiology of Diarrhea and Malabsorption

### 1. 04. Pathophysiology of Diarrhea and Malabsorption Questions

#### 4.1.1. A 25 year-old man comes to your office complaining of frequent bloa...

Author: Laurence Bailen

A 25 year-old man comes to your office complaining of frequent bloating, gas, and diarrhea. His diarrhea is non-bloody and he has no associated fevers nor has he lost weight. Stool specimens checked for various infectious organisms all return negative. He notes that his symptoms typically occur shortly after eating ice cream or cheese pizza. You check stool sodium and potassium concentration and calculate the fecal osmotic gap.

Which of the following results for the fecal osmotic gap would you most likely find in this patient?

Please choose all the answers that apply:

- 75 mosm/kg H<sub>2</sub>O
- 25 mosm/kg H<sub>2</sub>O
- 140 mosm/kg H<sub>2</sub>O
- 55 mosm/kg H<sub>2</sub>O
- 100 mosm/kg H<sub>2</sub>O

Check the answer of this question online at QuizOver.com:

Question: [A 25 year-old man comes to your office complaining by Dr. Laurence](#)

Flashcards:

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#### 4.1.2. A 35 year-old Irish woman with bloating, diarrhea typically after e...

Author: Laurence Bailen

For questions #2 and #3, match the most likely cause of diarrhea from the list below.

A 35 year-old Irish woman with bloating, diarrhea typically after eating, and weight loss comes in. She has an unusual blistering skin rash. Blood tests show that she has an iron-deficiency anemia.

Please choose all the answers that apply:

- Laxative abuse
- Chronic pancreatitis
- Crohn's disease
- Bile acid malabsorption
- Celiac sprue
- Ischemic colitis
- Carcinoid syndrome
- Zollinger-Ellison syndrome
- Hyperthyroidism
- Irritable bowel syndrome
- Ulcerative colitis
- Amebiasis

Check the answer of this question online at QuizOver.com:

Question: [A 35 year-old Irish woman with bloating For questions 2 and 3 match](#)

Flashcards:

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Interactive Question:

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### 4.1.3. A 46 year-old man has had non-bloody diarrhea for more than one yea...

Author: Laurence Bailen

For questions #2 and #3, match the most likely cause of diarrhea from the list below.

A 46 year-old man has had non-bloody diarrhea for more than one year. He also has epigastric abdominal pain which prompted an upper endoscopy. This revealed erosive esophagitis and several gastric and duodenal ulcers, some in the second portion of the duodenum.

Please choose all the answers that apply:

- Laxative abuse
- Chronic pancreatitis
- Crohn's disease
- Bile acid malabsorption
- Celiac sprue
- Ischemic colitis
- Carcinoid syndrome
- Zollinger-Ellison syndrome
- Hyperthyroidism
- Irritable bowel syndrome
- Ulcerative colitis
- Amebiasis

Check the answer of this question online at QuizOver.com:

Question: [A 46 year-old man has had non-bloody diarrhea For questions 2 and](#)

Flashcards:

<http://www.quizover.com/flashcards/a-46-year-old-man-has-had-non-bloody-diarrhea-for-questions-2-and?pdf=1505>

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## 4. Chapter: 05. Inflammatory Bowel Disease

### 1. 05. Inflammatory Bowel Disease Questions

#### 4.1.1. Inflammatory bowel disease (IBD) is comprised of two major disorder...

Author: Laurence Bailen

Inflammatory bowel disease (IBD) is comprised of two major disorders: ulcerative colitis and Crohn's disease.

Which of the following best describes the current theory of the pathogenesis of inflammatory bowel disease?

Please choose all the answers that apply:

- A mutation in the NOD2/CARD15 gene leads to an altered immune response to bacteria leading to intestinal inflammation.
- Toxic effects of nicotine in cigarette smoke cause intestinal inflammation.
- Infection with mycobacterium paratuberculosis causes intestinal inflammation.
- Combination of genetic susceptibility, environmental exposures including infections, and a dysregulated immune response leads to intestinal inflammation.
- Circulating autoantibodies lead to intestinal inflammation.

Check the answer of this question online at QuizOver.com:

Question: [Inflammatory bowel disease IBD is comprised by Dr. Laurence Bailen](#)

Flashcards:

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#### 4.1.2. A 32 year-old man has Crohn's disease involving the ileum and colon...

Author: Laurence Bailen

A 32 year-old man has Crohn's disease involving the ileum and colon. When he was first diagnosed he had ocular discomfort and was diagnosed with uveitis. Several years later he developed back pain due to sacroileitis and a rash consistent with pyoderma gangrenosum. He has had intermittent bouts of right knee inflammation consistent with arthritis. Recently, abnormal liver function tests were noted and a diagnosis of primary sclerosing cholangitis is being entertained.

Of the all the extraintestinal manifestations of Crohn's disease, which of the following will most likely be related to the activity of the intestinal disease?

Please choose all the answers that apply:

- Sacroileitis
- Peripheral arthritis
- Uveitis
- Primary sclerosing cholangitis
- Pyoderma gangrenosum

Check the answer of this question online at QuizOver.com:

Question: [A 32 year-old man has Crohn s disease involving by Dr. Laurence Bailen](#)

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#### 4.1.3. A 22 year-old woman comes to the emergency room with crampy left lo...

Author: Laurence Bailen

A 22 year-old woman comes to the emergency room with crampy left lower quadrant abdominal pain, 10-12 small volume bloody bowel movements daily with urgency to move her bowels, and a 5 lb weight loss in the past 2 weeks. She has a low grade temperature and a mildly tender abdomen on physical exam. She has a colonoscopy which shows pinpoint ulcerations and friable mucosa throughout the entire colon in a continuous distribution. Biopsies are taken from the colon. Multiple stool cultures are all negative.

Which of the following would you most likely find in this patient?

Please choose all the answers that apply:

- Anti-saccharomyces cerevisiae antibodies (ASCA)
- Granulomas on histologic analysis
- Fistulae seen on a barium enema
- Peri-nuclear anti-neutrophil cytoplasmic antibodies (P-ANCA)
- Strictures seen on a barium small bowel x-ray

Check the answer of this question online at QuizOver.com:

Question: [A 22 year-old woman comes to the emergency by Dr. Laurence Bailen](#)

Flashcards:

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## 4. Chapter: 06. Colon Disorders

### 1. 06. Colon Disorders Questions

#### 4.1.1. A 75 year-old woman has had regular daily bowel movements throughou...

Author: Laurence Bailen

A 75 year-old woman has had regular daily bowel movements throughout her entire life. She comes to your office because she has noted a marked change in her bowel habits. She now will only have a bowel movement every third day and the stool is hard and difficult to pass. She has recently been taking a morphine derivative due to back pain. She has no known neurologic disorder and leads a very active life style. A colonoscopy is normal.

Which of the following most likely has caused her symptoms of constipation?

Please choose all the answers that apply:

- Irritable bowel syndrome
- Colonic pseudoobstruction
- Inadequate fiber intake
- Narcotic use
- Large rectocele

Check the answer of this question online at QuizOver.com:

Question: [A 75 year-old woman has had regular daily by Dr. Laurence Bailen](#)

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#### 4.1.2. An 85 year-old man complains of bright red blood per rectum. He has...

Author: Laurence Bailen

An 85 year-old man complains of bright red blood per rectum. He has been constipated recently. He denies any rectal pain with defecation or fever. He notes that blood will drip out after a bowel movement. A perianal exam is normal.

The most likely cause of this patient's symptoms is which of the following?

Please choose all the answers that apply:

- Anal fissure
- Internal hemorrhoid
- Anal fistula
- Perianal abscess
- External hemorrhoid

Check the answer of this question online at QuizOver.com:

Question: [An 85 year-old man complains of bright red by Dr. Laurence Bailen](#)

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### 4.1.3. A 50 year-old woman comes in for a colonoscopy to screen for colore...

Author: [Laurence Bailen](#)

A 50 year-old woman comes in for a colonoscopy to screen for colorectal cancer. She is asymptomatic. Multiple diverticula are seen in the colon.

Which of the following best describes the location of diverticula in the colon?

Please choose all the answers that apply:

- They are most commonly located in the ascending colon
- They are most commonly located in the transverse colon
- They develop where the vasa rectae penetrate the colonic circular muscle
- They develop where the vasa rectae penetrate the anti-mesenteric taenia
- They are most commonly located in the cecum

Check the answer of this question online at [QuizOver.com](#):

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## 4. Chapter: 07. Gallstones

### 1. 07. Gallstones Questions

#### 4.1.1. A 33 year-old woman is 3 months post-partum after delivering a heal...

Author: [Laurence Bailen](#)

A 33 year-old woman is 3 months post-partum after delivering a healthy baby boy. She complains of intermittent episodes of right upper quadrant pain. An abdominal ultrasound shows numerous gallstones in the gallbladder.

Which of the following best explains the pathogenesis of this patient's gallstones?

Please choose all the answers that apply:

- Stasis of bile flow leading to pigment stones
- Supersaturation of bile with bile acids
- Supersaturation of bile with cholesterol
- Supersaturation of bile with lecithin
- High serum cholesterol level

Check the answer of this question online at [QuizOver.com](#):

Question: [A 33 year-old woman is 3 months post-partum by Dr. Laurence Bailen](#)

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#### 4.1.2. A 68 year-old woman is admitted to the hospital with 3 days of righ...

Author: Laurence Bailen

A 68 year-old woman is admitted to the hospital with 3 days of right upper quadrant pain radiating to the back accompanied by fevers. She has an ultrasound which shows a thickened gallbladder wall and numerous gallstones in the gallbladder. The bile duct is not dilated.

The most likely cause of this patient's symptoms is which of the following?

Please choose all the answers that apply:

- Acute pancreatitis
- Acute cholangitis
- Acute gallstone ileus
- Acute hepatitis
- Acute cholecystitis

Check the answer of this question online at QuizOver.com:

Question: [A 68 year-old woman is admitted to the hospital by Dr. Laurence Bailen](#)

Flashcards:

<http://www.quizover.com/flashcards/a-68-year-old-woman-is-admitted-to-the-hospital-by-dr-laurence-bailen?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/a-68-year-old-woman-is-admitted-to-the-hospital-by-dr-laurence-bailen?pdf=1505>



### 4.1.3. You are putting together a patient education pamphlet on gallstones...

Author: Laurence Bailen

You are putting together a patient education pamphlet on gallstones. There is a section on risk factors for gallstones.

Which of the following will you most likely include in the section on risk factors for cholesterol gallstones?

Please choose all the answers that apply:

- Alcohol use
- High serum cholesterol
- Diabetes mellitus
- Rapid weight loss
- Sickle cell disease

Check the answer of this question online at QuizOver.com:

Question: [You are putting together a patient education by Dr. Laurence Bailen](#)

Flashcards:

<http://www.quizover.com/flashcards/you-are-putting-together-a-patient-education-by-dr-laurence-bailen?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/you-are-putting-together-a-patient-education-by-dr-laurence-bailen?pdf=1505>

## 4. Chapter: 08. Pancreatitis

### 1. 08. Pancreatitis Questions

#### 4.1.1. A 25 year old woman with Crohn's disease is taking azathioprine for...

Author: Laurence Bailen

A 25 year old woman with Crohn's disease is taking azathioprine for maintenance therapy. She comes to the office complaining of 1 week of periumbilical abdominal pain. Amylase is 2,555 and lipase is 3,435. She is admitted to the hospital.

Which of the following tests are most important to follow during her hospitalization?

Please choose all the answers that apply:

- Serum magnesium level
- Serum phosphorus level
- Serum calcium level
- Serum cholesterol level
- Platelet count

Check the answer of this question online at QuizOver.com:

Question: [A 25 year old woman with Crohn s disease by Dr. Laurence Bailen](#)

Flashcards:

<http://www.quizover.com/flashcards/a-25-year-old-woman-with-crohn-s-disease-by-dr-laurence-bailen?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/a-25-year-old-woman-with-crohn-s-disease-by-dr-laurence-bailen?pdf=1505>

#### 4.1.2. A 42 year old woman has had intermittent episodes of right upper qu...

Author: Laurence Bailen

A 42 year old woman has had intermittent episodes of right upper quadrant abdominal pain that begin 1-2 hours after eating. The pain resolves after 3-4 hours. She comes to the emergency room with severe peri-umbilical pain. Her amylase and lipase are elevated and a right upper quadrant ultrasound shows sludge.

Which of the following best explains the pathogenesis of her condition?

Please choose all the answers that apply:

- Activation of pancreatic enzymes within the duodenal lumen
- Temporary blockage of the exit of enzyme granules from acinar cells
- Proteinaceous plugs in pancreatic ducts
- Activation of pancreatic enzymes within the bile duct
- Pancreatic duct stricture

Check the answer of this question online at QuizOver.com:

Question: [A 42 year old woman has had intermittent by Dr. Laurence Bailen](#)

Flashcards:

<http://www.quizover.com/flashcards/a-42-year-old-woman-has-had-intermittent-by-dr-laurence-bailen?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/a-42-year-old-woman-has-had-intermittent-by-dr-laurence-bailen?pdf=1505>

#### 4.1.3. A 68 year old man complains of chronic peri-umbilical abdominal dis...

Author: Laurence Bailen

A 68 year old man complains of chronic peri-umbilical abdominal discomfort. He has had diarrhea for many years of unclear cause. He has lost 15 lbs in the past year unintentionally. He used to drink alcohol heavily up until 5 years ago. His blood sugar is normal.

Which of the following will most likely help you diagnosis chronic pancreatitis?

Please choose all the answers that apply:

- Serum amylase level
- Serum calcium level
- Low vitamin B12
- Abdominal CT scan
- Lactose tolerance test

Check the answer of this question online at QuizOver.com:

Question: [A 68 year old man complains of chronic peri by Dr. Laurence Bailen](#)

Flashcards:

<http://www.quizover.com/flashcards/a-68-year-old-man-complains-of-chronic-peri-by-dr-laurence-bailen?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/a-68-year-old-man-complains-of-chronic-peri-by-dr-laurence-bailen?pdf=1505>

## 4. Chapter: 09. Viral hepatitis

### 1. 09. Viral hepatitis Questions

#### 4.1.1. A 34 year-old patient is admitted to the hospital for detox from in...

Author: Laurence Bailen

A 34 year-old patient is admitted to the hospital for detox from intravenous drug use. A medical examination reveals marked elevations in the liver function tests. The total bilirubin is 3.4, AST 1,245, ALT 1,435, Alkaline phosphatase 85. The patient is diagnosed with hepatitis B.

Which of the following sets of serologic tests would you most likely find in this patient?

[table]

;Hepatitis B ;Hepatitis B ;Hepatitis B core ;Hepatitis B e ;Hepatitis B e

;surface antigen; surface antibody; IgM antibody ;antigen ;antibody

A; Negative; Positive; Negative; Negative; Negative

B; Negative; Negative; Positive; Negative; Negative

C; Positive; Negative; Negative; Positive; Negative

D; Positive; Negative; Positive; Positive; Negative

E; Positive; Positive; Positive; Negative; Negative

[/table]

Please choose all the answers that apply:

- Negative Positive Negative Negative Negative
- Negative Negative Positive Negative Negative
- Positive Negative Negative Positive Negative
- Positive Negative Positive Positive Negative
- Positive Positive Positive Negative Negative

Check the answer of this question online at QuizOver.com:

Question: [A 34 year-old patient is admitted to the by Dr. Laurence Bailen](#)

Flashcards:

<http://www.quizover.com/flashcards/a-34-year-old-patient-is-admitted-to-the-by-dr-laurence-bailen?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/a-34-year-old-patient-is-admitted-to-the-by-dr-laurence-bailen?pdf=1505>





#### 4.1.2. A 45 year old man has a life insurance exam, and blood tests show a...

Author: Laurence Bailen

A 45 year old man has a life insurance exam, and blood tests show a mildly elevated ALT of 65. His hepatitis C antibody is positive.

Which of the following most likely explains how he acquired hepatitis C?

Please choose all the answers that apply:

- Blood transfusion in 2003
- Nasal cocaine use 25 years ago
- Intravenous drug use 25 years ago
- Unprotected sexual intercourse
- Ingesting contaminated shellfish

Check the answer of this question online at QuizOver.com:

Question: [A 45 year old man has a life insurance exam by Dr. Laurence Bailen](#)

Flashcards:

<http://www.quizover.com/flashcards/a-45-year-old-man-has-a-life-insurance-exam-by-dr-laurence-bailen?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/a-45-year-old-man-has-a-life-insurance-exam-by-dr-laurence-bailen?pdf=1505>

4.1.3. A 28 year old physician has been vaccinated against hepatitis B.

Wh...

Author: Laurence Bailen

A 28 year old physician has been vaccinated against hepatitis B.

Which of the following sets of serologies would you expect to see?

[table]

;Hepatitis B ;Hepatitis B ;Hepatitis B core ;Hepatitis B e ;Hepatitis B e

;surface antigen; surface antibody; IgM antibody ;antigen ;antibody

A; Negative; Positive; Negative; Negative; Negative

B; Negative; Negative; Positive; Negative; Negative

C; Positive; Negative; Negative; Positive; Negative

D; Positive; Negative; Positive; Positive; Negative

E; Positive; Positive; Positive; Negative; Negative

[/table]

Please choose all the answers that apply:

- Negative Positive Negative Negative Negative
- Negative Negative Positive Negative Negative
- Positive Negative Negative Positive Negative
- Positive Negative Positive Positive Negative
- Positive Positive Positive Negative Negative

Check the answer of this question online at QuizOver.com:

Question: [A 28 year old physician has been vaccinated by Dr. Laurence Bailen](#)

Flashcards:

<http://www.quizover.com/flashcards/a-28-year-old-physician-has-been-vaccinated-by-dr-laurence-bailen?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/a-28-year-old-physician-has-been-vaccinated-by-dr-laurence-bailen?pdf=1505>

## 4. Chapter: 10. Liver function Tests

### 1. 10. Liver function Tests Questions

4.1.1. A 55 year old man is jaundiced. His total bilirubin is 8.4 mg/dl an...

Author: Laurence Bailen

Which of the following most likely explains the patients liver function tests?

A 55 year old man is jaundiced. His total bilirubin is 8.4 mg/dl and his ALT is 125, AST is 205, alkaline phosphatase is normal. An abdominal ultrasound is normal.

Please choose all the answers that apply:

- Bile duct obstruction
- Acute alcoholic hepatitis
- Acute acetaminophen overdose
- Acute hepatitis A
- Acute hepatitis B
- Acute hepatitis C
- Alpha-1-antitrypsin deficiency
- Primary biliary cirrhosis
- Hemochromatosis
- Wilson's disease
- Acute hepatitis E
- Autoimmune hepatitis

Check the answer of this question online at QuizOver.com:

Question: [A 55 year old man is jaundiced. His total Which of the following](#)

Flashcards:

<http://www.quizover.com/flashcards/a-55-year-old-man-is-jaundiced-his-total-which-of-the-following?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/a-55-year-old-man-is-jaundiced-his-total-which-of-the-following?pdf=1505>

#### 4.1.2. A 60 year old woman has pruritus (itchiness). Her alkaline phosphat...

Author: Laurence Bailen

Which of the following most likely explains the patients liver function tests?

A 60 year old woman has pruritus (itchiness). Her alkaline phosphatase is 450. Total bilirubin, ALT, and AST are normal.

Please choose all the answers that apply:

- Bile duct obstruction
- Acute alcoholic hepatitis
- Acute acetaminophen overdose
- Acute hepatitis A
- Acute hepatitis B
- Acute hepatitis C
- Alpha-1-antitrypsin deficiency
- Primary biliary cirrhosis
- Hemochromatosis
- Wilson's disease
- Acute hepatitis E
- Autoimmune hepatitis

Check the answer of this question online at QuizOver.com:

Question: [A 60 year old woman has pruritus itchiness Which of the following](#)

Flashcards:

<http://www.quizover.com/flashcards/a-60-year-old-woman-has-pruritus-itchiness-which-of-the-following?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/a-60-year-old-woman-has-pruritus-itchiness-which-of-the-following?pdf=1505>

#### 4.1.3. A 35 year man is admitted to the ICU obtunded. He was found by fami...

Author: Laurence Bailen

Which of the following most likely explains the patients liver function tests?

A 35 year man is admitted to the ICU obtunded. He was found by family members on the floor of his apartment unconscious. An abdominal ultrasound is normal. The ALT is 11,000 and the AST is 8,050. The total bilirubin and alkaline phosphatase are normal. Hepatitis A IgM is negative. Hepatitis B core IgM is negative. Hepatitis C antibody and Hepatitis C RNA levels are undetectable. Ceruloplasmin is normal.

Please choose all the answers that apply:

- Bile duct obstruction
- Acute alcoholic hepatitis
- Acute acetaminophen overdose
- Acute hepatitis A
- Acute hepatitis B
- Acute hepatitis C
- Alpha-1-antitrypsin deficiency
- Primary biliary cirrhosis
- Hemochromatosis
- Wilson's disease
- Acute hepatitis E
- Autoimmune hepatitis

Check the answer of this question online at QuizOver.com:

Question: [A 35 year man is admitted to the ICU obtunded Which of following](http://www.quizover.com/question/a-35-year-man-is-admitted-to-the-icu-obtunded-which-of-following)

Flashcards:

<http://www.quizover.com/flashcards/a-35-year-man-is-admitted-to-the-icu-obtunded-which-of-following?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/a-35-year-man-is-admitted-to-the-icu-obtunded-which-of-following?pdf=1505>

## 4. Chapter: 11. Liver Failure: Cirrhosis

### 1. 11. Liver Failure: Cirrhosis Questions

#### 4.1.1. A 55 year-old man with chronic hepatitis C related cirrhosis presen...

Author: Laurence Bailen

A 55 year-old man with chronic hepatitis C related cirrhosis presents to the Liver Transplant Clinic for evaluation. He has had a large esophageal variceal bleed in the past and is now bothered by ascites.

Which of the following best characterizes this patient's circulation?

Please choose all the answers that apply:

- Low peripheral vascular resistance, low cardiac output, high rate of blood flow to splanchnic circulation
- Low peripheral vascular resistance, high cardiac output, high rate of blood flow to the splanchnic circulation
- Low peripheral vascular resistance, high cardiac output, low rate of blood flow to the splanchnic circulation
- High peripheral vascular resistance, high cardiac output, high rate of blood flow to the splanchnic circulation
- High peripheral vascular resistance, low cardiac output, high rate of blood flow to the splanchnic circulation

Check the answer of this question online at QuizOver.com:

Question: [A 55 year-old man with chronic hepatitis by Dr. Laurence Bailen](#)

Flashcards:

<http://www.quizover.com/flashcards/a-55-year-old-man-with-chronic-hepatitis-by-dr-laurence-bailen?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/a-55-year-old-man-with-chronic-hepatitis-by-dr-laurence-bailen?pdf=1505>



#### 4.1.2. A 60 year-old woman with a long-standing history of cirrhosis devel...

Author: [Laurence Bailen](#)

A 60 year-old woman with a long-standing history of cirrhosis develops esophageal varices and hepatic encephalopathy. An abdominal ultrasound reveals thrombosis of the portal vein.

Which of the following pressure measurements would you most likely expect to find?

Please choose all the answers that apply:

- Normal hepatic vein pressure gradient
- Elevated wedged hepatic vein pressure
- Elevated free hepatic vein pressure
- Elevated hepatic vein pressure gradient
- Low wedged hepatic vein pressure

Check the answer of this question online at [QuizOver.com](#):

Question: [A 60 year-old woman with a long-standing by Dr. Laurence Bailen](#)

Flashcards:

<http://www.quizover.com/flashcards/a-60-year-old-woman-with-a-long-standing-by-dr-laurence-bailen?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/a-60-year-old-woman-with-a-long-standing-by-dr-laurence-bailen?pdf=1505>