

- 1. In Budd-Chiari syndrome the liver becomes enlarged**  
(A) True  
(B) False
  
- 2. Inflammation of the gallbladder is called cholecystitis**  
(A) True  
(B) False
  
- 3. In advanced cirrhosis, the liver appears less echogenic than renal parenchyma**  
(A) True  
(B) False
  
- 4. Adenocarcinoma is the most common primary carcinoma of the pancreas**  
(A) True  
(B) False
  
- 5. The ligamentum teres is a remnant of the fetal umbilical vein**  
(A) True  
(B) False
  
- 6. The left renal vein runs anterior to the aorta**  
(A) True  
(B) False
  
- 7. The right renal artery runs anterior to the IVC**  
(A) True  
(B) False
  
- 8. Most malignant pancreatic tumors occur in the \_\_\_\_\_ of the pancreas**  
(A) tail  
(B) body  
(C) head  
(D) neck

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**9. Chronic pancreatitis causes the pancreas to have \_\_\_\_\_ echogenicity**

- (A) increased**
- (B) decreased**
- (C) no change in**
- (D) variable**

**10. Elevation of the which laboratory values may indicate renal failure ?**

- (A) protein**
- (B) creatinine**
- (C) blood urea nitrogen (BUN)**
- (D) all of the above**

**11. A common finding in pancreatitis is a pseudocyst**

- (A) True**
- (B) False**

**12. The tail of the pancreas is posterior to the left kidney**

- (A) True**
- (B) False**

**13. Cushing's disease is related to adrenal hypoplasia**

- (A) True**
- (B) False**

**14. After birth the fetal umbilical vein becomes the**

- (A) umbilical ligament**
- (B) falciform ligament**
- (C) ligamentum teres**
- (D) gastrosplenic ligament**

**15. Early liver fatty infiltration may be characterized by**

- (A) hepatomegaly**
- (B) decreased vascularity**
- (C) increased echogenicity**
- (D) all of the above**

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**16. Early in ascites, fluid collection be found**

- (A) perigastric**
- (B) subhepatic**
- (C) perinephric**
- (D) subphrenic**

**17. A feature of advanced cirrhosis is recanalized umbilical vein**

- (A) True**
- (B) False**

**18. The three branches of the celiac artery are**

- (A) common hepatic, left gastric, splenic**
- (B) common hepatic, right gastric, splenic**
- (C) common hepatic, gastroduodenal, splenic**
- (D) pancreatic, splenic, left gastric**

**19. The common bile duct runs anterior to the head of the pancreas**

- (A) True**
- (B) False**

**20. Adenomyomatosis of the gallbladder appears as bright reflections with comet tail artifact**

- (A) True**
- (B) False**

**21. The liver is attached to the diaphragm by the**

- (A) round ligament**
- (B) hepatic ligament**
- (C) ligamentum teres**
- (D) falciform ligament**

**22. Fluid between the diaphragm and the spleen may represent subphrenic abscess**

- (A) True**
- (B) False**

**23. Congenital hepatic cysts are more often solitary than multiple**

- (A) True**
- (B) False**

**24. The pancreas produces**

- (A) lipase**
- (B) insulin**
- (C) glucagon**
- (D) all of the above**

**25. Caroli's disease appears as cystic areas in the liver**

- (A) True**
- (B) False**

**26. Hemangioma is the most common primary tumor of the spleen**

- (A) True**
- (B) False**

**27. Arterial supply to the head of the pancreas is from the**

- (A) splenic artery**
- (B) hepatic artery**
- (C) gastroduodenal artery**
- (D) superior mesenteric artery**

**28. Santorini's duct is the main pancreatic duct**

- (A) True**
- (B) False**

**29. The prostate is a retroperitoneal structure**

- (A) True**
- (B) False**

**30. Tapeworm is the source of echinococcal cysts**

- (A) True**
- (B) False**

**31. Normal adult kidneys measure 10-12 cm in length**

- (A) True**
- (B) False**

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- 32. Hyperplastic cholecystoses is a benign tumor of the gallbladder**  
**(A) True**  
**(B) False**
- 33. Varicoceles are an enlargement of the arteries of the spermatic cord**  
**(A) True**  
**(B) False**
- 34. The female peritoneum folds onto the posterior vagina and forms the**  
**(A) rectalvaginal pouch**  
**(B) rectouterine pouch**  
**(C) vesicorectal pouch**  
**(D) posterovaginal pouch**
- 35. A common primary biliary neoplasm is adenocarcinoma**  
**(A) True**  
**(B) False**
- 36. A common name for the medial segment of the left lobe of the liver is**  
**(A) left lobe**  
**(B) caudel lobe**  
**(C) quadrate lobe**  
**(D) caudate lobe**
- 37. Metastatic gallbladder disease is associated with gallstones**  
**(A) True**  
**(B) False**
- 38. A branch of the common hepatic artery is**  
**(A) left gastric artery**  
**(B) right gastric artery**  
**(C) none of the above**  
**(D) gastroduodenal artery**
- 39. Hartmans pouch is posterior to the uterus**  
**(A) True**  
**(B) False**

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**40. Acinar cells are in the**

- (A) liver**
- (B) kidney's**
- (C) spleen**
- (D) pancreas**

**41. The superior mesenteric artery runs anterior pancreas**

- (A) True**
- (B) False**

**42. The pancreas is retroperitoneal**

- (A) True**
- (B) False**

**43. The sonographic appearance of chronic hepatitis is**

- (A) hyperechoic**
- (B) hypoechoic**
- (C) isoechoic**
- (D) anechoic**

**44. Thickening of the gallbladder wall can be due to**

- (A) ascites**
- (B) hepatitis**
- (C) cholecystitis**
- (D) all of the above**

**45. In chronic pancreatitis the pancreas is usually**

- (A) less echogenic than the liver**
- (B) more echogenic than the liver**
- (C) enlarged**
- (D) free floating**

**46. The common bile duct joins the pancreatic duct at the ampulla of Vater**

- (A) True**
- (B) False**

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**47. Mullerian duct cysts are in the**

- (A) liver**
- (B) prostate**
- (C) spleen**
- (D) pancreas**

**48. Cavernous hemangioma is a common benign tumor of the liver**

- (A) True**
- (B) False**

**49. Amylase and lipase are laboratory values that are diagnostic of pancreatitis**

- (A) True**
- (B) False**

**50. The upper limit for size of the main pancreatic duct is**

- (A) 1 mm**
- (B) 2 mm**
- (C) 3 mm**
- (D) 4 mm**

**51. The main pancreatic duct is Santorine's duct**

- (A) True**
- (B) False**

**52. The falciform ligament is a remnant of the fetal ductus venosus**

- (A) True**
- (B) False**

**53. The splenic vein runs anterior to the pancreatic body**

- (A) True**
- (B) False**

**54. The \_\_\_\_\_ ligament attaches liver to abdominal wall diaphragm**

- (A) umbilical**
- (B) falciform**
- (C) gastrosplenic**
- (D) ligamentum teres**

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**55. Increased serum bilirubin suggests**

- (A) pancreatitis**
- (B) hemoptolysis**
- (C) gangrenous process**
- (D) hepatocellular disease**

**56. The division between the left and right lobes of the liver is the**

- (A) ligamentum teres**
- (B) main lobar fissure**
- (C) falciform ligament**
- (D) ligamentum venosum**

**57. The left renal vein runs anterior to the abdominal aorta**

- (A) True**
- (B) False**

**58. The caudate lobe is seperated from the left lobe by the ligamentum teres**

- (A) True**
- (B) False**

**59. Glisson,s capsule contains the portal vein,hepatic artery and the bile duct**

- (A) True**
- (B) False**

**60. A hydatid cyst is usually related to tapeworms**

- (A) True**
- (B) False**

**61. Portal vein flow is from \_\_\_\_\_ to the liver.**

- (A) IVC**
- (B) spleen**
- (C) omentum**
- (D) intestines**

**62. The head of the pancreas is anterior to the inferior vena cava**

- (A) True**
- (B) False**

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**63. False diagnosis of hydronephrosis can occur due to**

- (A) distended bladder**
- (B) venous hypertension**
- (C) prostate enlargement**
- (D) none of the above**

**64. BUN is a test of liver function**

- (A) True**
- (B) False**

**65. Islet cell tumor is a malignant tumor of the pancreas**

- (A) True**
- (B) False**

**66. The spiral valve of Heister is in the fundus of the gallbladder**

- (A) True**
- (B) False**

**67. Eagle-Barrett syndrome occurs only in male children**

- (A) True**
- (B) False**

**68. The left renal artery runs posterior to the aorta**

- (A) True**
- (B) False**

**69. The kidneys are retroperitoneal**

- (A) True**
- (B) False**

**70. The upper limit of normal for the extrahepatic common bile duct is**

- (A) 3-4 mm**
- (B) 4-5 mm**
- (C) 3-7 mm**
- (D) 6-8 mm**

**71. Normal gallbladder wall thickness is**

- (A) 1 mm
- (B) 2 mm
- (C) 3 mm
- (D) 4 mm
- (E) 5 mm

**72. The accessory duct of the pancreas is called Santorini's duct**

- (A) True
- (B) False

**73. Endocrine enzymes of the pancreas include**

- (A) amylase
- (B) lipase
- (C) trypsin
- (D) all of the above
- (E) none of the above

**74. Crohn's disease involves the pancreas**

- (A) True
- (B) False

**75. Budd-Chiari syndrome caused by obstruction of the**

- (A) portal veins
- (B) splenic vein
- (C) hepatic veins
- (D) inferior mesenteric vein

**76. The most common cause of aortic aneurysm is atherosclerosis**

- (A) True
- (B) False

**77. The echogenicity of a normal pancreas should be \_\_\_\_\_ the liver**

- (A) equal to or greater than
- (B) less than
- (C) not be compared to
- (D) none of the above

**78. The endocrine function of the pancreas is to produce**

- (A) lipase
- (B) insulin
- (C) amylase
- (D) all of the above

**79. The pancreatic duct and the common bile duct join to enter the \_\_\_\_\_ portion of the duodenum**

- (A) first
- (B) second
- (C) third
- (D) gastric

**80. Kidneys of a patient with systemic lupus erythematosus will be hyperechoic**

- (A) True
- (B) False

**81. The portal veins carry oxygenated blood to the liver**

- (A) True
- (B) False

**82. A capillary hemangioma is**

- (A) hypoechoic
- (B) hyperechoic
- (C) dense
- (D) anechoic

**83. Porcelain gallbladder means decalcification of the gallbladder walls**

- (A) True
- (B) False

**84. Which are retroperitoneal structures ?**

- (A) psoas muscle
- (B) kidney
- (C) aorta
- (D) all of the above

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**(E) none of the above**

**85. Three hepatic veins empty into the superior vena cava**

**(A) True**

**(B) False**

**86. Kupffer cells are in the**

**(A) liver**

**(B) kidney's**

**(C) spleen**

**(D) pancreas**

**87. The gallbladder arterial blood supply is from the**

**(A) hypogastric artery**

**(B) hepatic artery**

**(C) azygos artery**

**(D) cystic artery**

**88. The head of the pancreas is posterior to the portal vein**

**(A) True**

**(B) False**

**89. The upper limit of the thickness of the gallbladder wall is**

**(A) 1 mm**

**(B) 2 mm**

**(C) 3 mm**

**(D) 4 mm**

**90. The upper limit for normal post cholecystectomy common duct diameter is**

**(A) 4 mm**

**(B) 6 mm**

**(C) 8 mm**

**(D) 10 mm**

- 91. A high level of serum amylase is suggestive of**  
(A) pancreatitis  
(B) liver failure  
(C) renal failure  
(D) stroke
- 92. A healthy gallbladder has a maximum wall thickness of**  
(A) 1 mm  
(B) 2 mm  
(C) 3 mm  
(D) 5 mm
- 93. Papilloma is a benign neoplasm of the bladder wall**  
(A) True  
(B) False
- 94. The spleen is retroperitoneal**  
(A) True  
(B) False
- 95. The left renal vein is longer than the right renal vein**  
(A) True  
(B) False
- 96. The parenchyma of the kidney includes the cortex and renal pyramids**  
(A) True  
(B) False
- 97. Gallbladder contraction is induced by**  
(A) cholecystokinin  
(B) cystokinase  
(C) lipotinin  
(D) all of the above

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**98. A ductal tumor at the bifurcation of the right and left hepatic ducts is known as a \_\_\_\_\_ tumor**

- (A) Katskil**
- (B) Klatskin**
- (C) Kaposi**
- (D) Kawasaki**

**99. The portal vein is formed by the junction of the splenic vein and the hepatic vein**

- (A) True**
- (B) False**

**100. Galactoceles are in the**

- (A) liver**
- (B) breast**
- (C) spleen**
- (D) pancreas**

**General Ultrasound**  
**ANSWER KEY**

- 1. A**
- 2. A**
- 3. B**
- 4. A**
- 5. A**
- 6. A**
- 7. B**
- 8. C**
- 9. A**
- 10. D**
- 11. A**
- 12. A**
- 13. B**
- 14. C**
- 15. D**
- 16. B**
- 17. A**
- 18. A**
- 19. B**
- 20. A**
- 21. D**
- 22. A**
- 23. B**
- 24. D**
- 25. A**
- 26. A**
- 27. C**
- 28. B**
- 29. B**
- 30. A**
- 31. A**
- 32. A**
- 33. B**
- 34. B**

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- 35. A**
- 36. C**
- 37. B**
- 38. D**
- 39. B**
- 40. D**
- 41. B**
- 42. A**
- 43. A**
- 44. D**
- 45. B**
- 46. A**
- 47. B**
- 48. A**
- 49. A**
- 50. B**
- 51. B**
- 52. B**
- 53. B**
- 54. B**
- 55. D**
- 56. B**
- 57. A**
- 58. B**
- 59. A**
- 60. A**
- 61. D**
- 62. A**
- 63. A**
- 64. B**
- 65. B**
- 66. B**
- 67. A**
- 68. B**
- 69. A**
- 70. D**
- 71. C**
- 72. A**

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- 73. E**
- 74. B**
- 75. C**
- 76. A**
- 77. A**
- 78. B**
- 79. B**
- 80. A**
- 81. A**
- 82. B**
- 83. B**
- 84. D**
- 85. B**
- 86. A**
- 87. D**
- 88. B**
- 89. C**
- 90. B**
- 91. A**
- 92. C**
- 93. A**
- 94. B**
- 95. B**
- 96. A**
- 97. A**
- 98. B**
- 99. B**
- 100. B**