Liver Function and Evaluation
MLAB 2461

ACROSS
1 Bile acids solubilize ______ for intestinal absorption
3 In prehepatic jaundice, the urine bilirubin level is typically ______.
4 ______ is defined by chronic liver disease characterized by fibrosis and the conversion of normal liver architecture into structurally abnormal lobules.
8 Hepatotoxin that results from the catabolism of alcohol by alcohol dehydrogenase
10 Requires co-infection with hepatitis B.
11 Biliverdin is converted to unconjugated bilirubin by the enzyme biliverdin ______.
12 These liver cells ingest bacteria and other substances through phagocytosis
13 Bacterial action in the duodenum reduces bilirubin to ______.
17 In posthepatic jaundice the fecal urobilinogen level is ______.
18 A deficiency in this serine protease inhibitor is associated with a high mortality rate in newborns who develop hepatitis
19 ______ jaundice is the result of increased production of bilirubin in the body
21 ______ presents unconjugated bilirubin to UDP glucoronyl transferase
22 Alcoholic ______ liver follows six months to a year of moderate consumption and results in mild ALT, AST, and GGT elevations
23 This is the product of amino acid/protein catabolism and is elevated in advanced liver disease as well as enzyme deficiencies within the Krebs-Henseleit urea cycle.

DOWN
2 ______ bilirubin is accountable for more symptoms of jaundice than other form because it is more easily absorbed into tissues
5 ______ ALP is found in the cell membranes of hepatocytes and ______.
6 Free ______ bilirubin has a high affinity for brain and nervous tissue
7 The method of choice for direct bilirubin determination
9 An elevation of this enzyme is more specific for liver injury than AST.
12 Condition associated with bilirubin accumulation in brain leading to brain damage
14 ______ physiologic jaundice is the most common cause of unconjugated hyperbilirubinemia
15 This is considered the enzyme of choice in detecting alcoholism
16 Ceruloplasmin contains 95% of the total serum concentration of this element
18 The drug that precipitates Reye's syndrome in most cases
20 Reference range for ______ bilirubin is 0.2-1.0 mg per dL