Hepatic system study guide

A&P review

 The liver receives \_\_\_\_% of CO.

 The majority of the blood flow to the liver is from:

 Bile is produced by which cells?

 Kupffer cells are needed for what purpose?

 The functional unit of the Liver is?

 The Liver may also act as a reservoir for what?

 What coagulation factors are not made by the hepatocytes?

 The Liver produces many proteins but not…?

Labs Normal value Indicates

PT

Albumin

AST

ALT

Bilirubin

Alkaline Phosphatase

Y Glutamyl Transpeptidase

5-Nucleotidase

Opioids may cause constriction of what?

What is the most common type of Hepatitis in the US?

Which drug is the most common cause of Hepatitis?

What is the order of risk for hepatitis from anesthetic gases?

 Isoflurane Sevoflurane Halothane Desflurane

What 4 medications were listed in the lecture as dependent on the Liver for extraction?

What should you avoid when doing an anesthetic for a patient with acute hepatitis?

When considering alcoholism, when would you consider the anesthetic MAC to be higher and when would it be lower?

What are the signs of alcohol withdrawal syndrome?

 Early

 Late

Deficiency of what vitamin will cause Alcoholic Wernicke-Korsakoff syndrome?

What are the causes of Cirrhosis?

What anesthetic agents may cause induction of the cytochrome P450 system?

What are the physiologic effects of Cirrhosis?

Anemia from cirrhosis is caused by a deficiency of what?

What happens to NMDAs with cirrhosis?

Portal Hypertension may lead to what dangerous effect?

Hepatorenal syndrome leads to what?

TIPS stands for what?

TIPS is contraindicated with what conditions?

Know the stages and symptoms of hepatic encephalopathy.

Carcinoid tumors begin where?

What are the symptoms of carcinoid syndrome?

What are known triggers of carcinoid syndrome?

What is the only curative treatment for Carcinoid syndrome?

Deficiency of vitamin K has what effect on labs?

What are the phases of Liver transplant surgery and their implications for us?

Where is bile produced?

Contraction of the Gall Bladder is controlled by what?

What are the 3 functions of bile?

Which drugs will relax the sphincter of Oddi?

What are the symptoms of hepatobiliary disease?

What are anesthetic considerations with laparoscopic Cholecystectomy?