

# Investigating the liver with a pathology of your choice assignment



**ASSIGN  
BUSTER**

With a liver pathology of your choice, what techniques are there to investigate the liver and what are their advantages and disadvantages? Budd-Chair Syndrome Clinical term used to describe the manifestation of hepatic venous outflow obstruction Secondary to hepatic vein thrombosis Or to the narrowing/occlusion of the inferior vena cava (Khan 2009, Vale DC 2003) Costal Stetsons web thrombus.

Advantages - Provides detailed and accurate pictures of bone, soft tissues, blood vessels - Highly cost effective - Possible allergic reaction to iodine-based contrast material - Varying rate of radiation exposure (Practicable et al. , 2007 , Radiology's. Org, 2011) Magnetic Resonance Imaging (MR.) Non-invasive medical technique Use of strong magnetic field and radio frequency pulse to produce highly informative images of organs, bones and internal body structure.  $\bar{\eta}$  Diagnose disease of liver and hypertrophy of blood vessels Advantages: -Accurate in characterization of disease and detailed images of soft tissue organs I. . Liver. Disadvantages: - Expensive equipment and not easily accessible (Practicable et al. , 2007, Radiology's. Org , 2007)

Conclusion Budd-Chair Syndrome is an uncommon disorder History (Hyperbolically state) and image findings are essential to the diagnosis.  $\bar{\eta}$  Important Image finding : occlusion of hepatic vein/inferior vena cava - Caudate lobe hypertrophy - Collateral vessels (intra + extrinsic) - Cystic/non-uniform enhancement of liver - regenerative nodules Best imaging technique: - US: No ionizing radiation, cheap - No contrast material / No known side effects - Real time image - 90% specificity and insensitivity.