

The Patient has Hepatitis A, B C and D!

Satellite Videoconference Case
April 29, 2009

History

- 40 year-old previously incarcerated male with HIV CDC B2 disease – H. zoster
- CD4 450 cells/cmm
- Viral load 10,000 c/mL
- Has been on HAART in the past, but does not currently agree to treatment of HIV
- Medications include ranitidine for GERD, mirtazapine for mood, MVI & vitamin C.

Hepatitis Serologies

- Hepatitis A Total Ab – positive
 - Hep A IgM negative
- Hepatitis B surface antigen positive
- Hepatitis total core Ab positive
 - HBcAb IgM negative
 - HBsAb negative
 - HBeAg negative
 - HBeAb positive
- Hepatitis C Ab positive
- Hepatitis Delta Ab positive

Standard Laboratories

- WBC 7500 cells/cmm
- Hgb 14 gm/dL
- Platelets 180,000 /cmm
- BUN/Creatinine 9/0.9 mg/dL
- Albumin 3.2 gm/dL
- Bilirubin 0.5 mg/dL
- Alkaline phosphatase 63 IU/L
- AST 34; ALT 40 IU/L
- PT/PTT 10.7/30 seconds
- Alpha fetoprotein 3.0 ng/mL (normal)

Hepatitis Virology

- Hepatitis B viral load < 29 IU/mL
 - HBV not detected
- Hepatitis C viral load 1.4 million IU/mL
- Patient does not agree to liver biopsy.
 - He does not consume alcohol.

Questions

- 1) Why is the hepatitis B viral load undetectable?
- 2) Is his ALT (40 IU/L) really normal?
- 3) Should the patient's hepatitis C be treated?
- 4) How do the hepatitis B and Delta Ab impact treatment of his hepatitis C?
- 5) What is the prognosis for his liver health?