

Hepatitis C Case Presentations

Chukwuma Egwim, MD

October 10, 2009

Case # 1 - HCV



- 45 year old African American man referred with chronic hepatitis C
- Diagnosed 2 months ago after complaints of fatigue and discovery of abnormal liver enzymes
- Treatment naïve
- No other chronic medical illnesses
- BMI 29


Lab values

- ALT: 89
- AST: 94
- Total bilirubin: 0.8
- Albumin: 4.1
- INR: 0.9
- WBC: 5.1
- Hgb: 13.0
- Platelets: 201k
- Anti-HCV Ab: Positive
- HCV RNA: 1.5 million IU/mL
- Genotype: 1a

- Biopsy showed grade 2 inflammation and stage 3 fibrosis.

What treatment would you recommend?

What treatment would you recommend?

- A.  Peg-IFN/RBV for 48 weeks (standard dose)
- B. Peg-IFN/RBV for 72 weeks (standard dose)
- C. Duration of therapy to be determined by response at week 4 or 12
- D. PEG-IFN and high dose RBV (1600mg per day or higher)
- E. No treatment at this time / Await future therapies

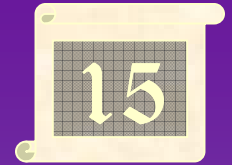
Case # 1




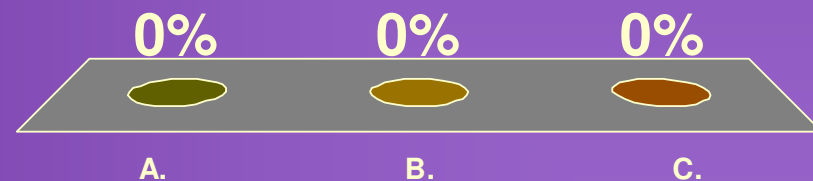
- Treatment initiated with PEG-IFN and RBV (weight based)
- At week # 12, he remains virus positive, with a 2.5 log IU drop in HCV RNA
- Tolerating therapy with few side effects

How would you proceed?

How would you proceed?



-  A. Continue Peg-IFN/RBV with a goal of 48 weeks (as long as virus negative by week # 24)
- B. Continue Peg-IFN/RBV with a goal of 72 weeks (as long as virus negative by week # 24)
- C. Switch to consensus interferon



Case # 2 - HCV



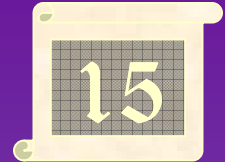
- 38 year old Caucasian woman referred with a diagnosis of chronic hepatitis C, genotype 1a
- Treated last year with PEG-IFN/RBV for a total of 48 weeks
- Cleared virus by week #14 and remained negative at the end of treatment
- Found to have relapsed 7 months after completion of therapy

Lab values

- ALT: 60
- AST: 45
- Total bilirubin: 0.6
- Albumin: 3.9
- INR: 1.0
- WBC: 8.4
- Hgb: 12.3
- Platelets: 320k
- HCV RNA: 3,200 IU/mL
- Genotype: 1a

- There were no treatment interruptions or dose reductions
- She experienced depression which she reports was managed with an antidepressant
- You perform a liver biopsy which reveals grade 2 inflammation and stage 2 fibrosis

What treatment would you recommend?



What treatment would you recommend?

- A. Trial of another PEG-IFN with RBV for 48 weeks.
- B. Consensus interferon with Ribavirin
- C. PEG-IFN with RBV for 72 weeks.
- D. Maintenance treatment with half dose PEG-IFN.
- E. No treatment at this time. Await future therapies.

