

MISCELLANEOUS CASES

Pediatric GI Curriculum Lecture



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Pediatric Gastroenterology, Hepatology
and Nutrition

You see a 14-year-old female in clinic for fever, nausea and vomiting for the past 3 days. She reports that this morning she noticed a yellow color to her eyes and skin. Her physical exam is remarkable for jaundice, scleral icterus, and mild right upper quadrant tenderness. Labs: ALT 2000, AST 3100, total bili 7.8, conj bili 5.6.

- What is your assessment of this patient?
 - Acute hepatitis
- What is the most likely etiology?
 - Viral hepatitis – hepatitis A
- What labs do you do to r/o ALF?
 - Serum glucose, ammonia, and PT (INR)
- What is the half life for serum albumin?
 - 3 weeks

You see a 5-month-old female in your office who has been spitting up 6 times per day for the past few months. Her growth has been adequate, she is a very happy baby and the mom reports no other symptoms except for the vomiting. Her physical exam is unremarkable. The mother is very concerned about her spitting up. She is formula fed

- What is the most likely diagnosis?
 - GER NOT GERD
- Are there any tests that should be ordered?
 - No
- How would you treat this patient?
 - Reassurance. Review with parents GER natural history. Thickening the formula / use AR formula. 45 degrees Positioning. Burping after feeds.
- Does PPI work ?
 - No because the refluxate material is not acidic.
- When would you do investigations?
 - When red flags develop

A 4-year-old male presents with constipation that began at 2 years of age. The symptoms began around the time of toilet training, and he now passes a large, hard bowel movement once per week. He does withhold stool. On exam, he has palpable stool in the abdomen and a fecal impaction on rectal exam.

- What is the most likely diagnosis?
 - **Functional constipation** according to Rome IV criteria
- Are there any tests that should be ordered?
 - No. diagnosis is made by Hx and PE
- What are types of laxatives ? Give examples on each type
 - Osmotic : PEG and lactulose. Stimulant : Bisacodyl and glycerin supp. Bulk forming : fibers. Lubricant : mineral oil
- When do we do investigations for children with constipation ?
 - When red flags are present; they don't respond to conventional Rx; or per parents request.