

Assessment

- History and Review of Systems
- Physical exam
- Common Conditions
 - · Gall bladder disease
 - Cholecystitis
- Emergency Conditions
 - · Acute abdominal pain
 - GI bleeds
 - Pancreatitis
- · See Appendix A for urolithiasis, OA, and incontinence

Objectives

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Medical History:

- · Gastro-oesophageal Reflux Disease
- Gastric/duodenal disease (gastric ulcers, diabetic gastroparesis, etc.)
- · Gallbladder disease

Family History

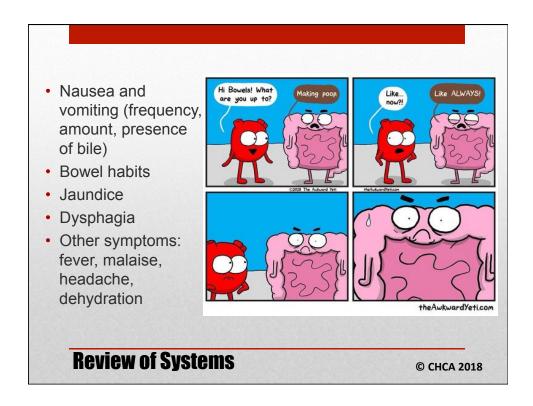
- Alcoholism
- Family contact with gastroenteritis
- · Metabolic, cardiac, renal disease history

Personal and Social History

- · Alcohol use
- Smoking
- Caffeine intake
- Diet

History

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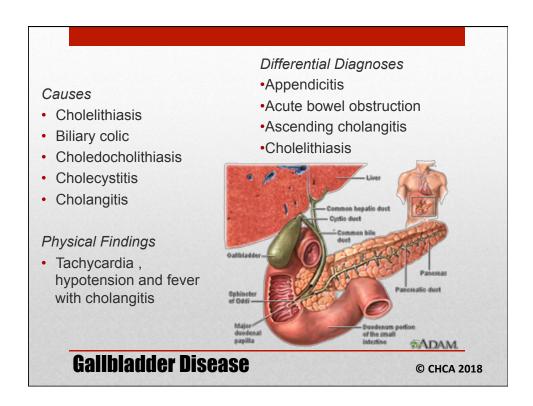


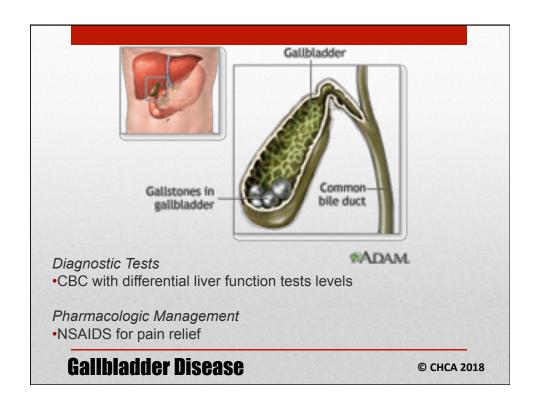
- Vital signs
- Abdominal inspection
 - Contour, symmetry, dilation of veins
- Auscultation
 - Presence, character, frequency of bowel sounds; presence of bruits
- Percussion
 - From resonant to dull areas

- Palpation
 - Tenderness, muscle guarding, rigidity
- Examine for jaundice and spider nevi
- Rectal
- Cardiopulmonary
 - Heart sounds, lungs, peripheral pulses

Physical Examination

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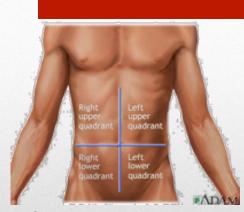


Management

- •IV therapy with normal saline
- Pain control
 - Ketorolac 30 mg IM q6h as needed (maximum 120 mg/24 hours)
- Antiemetics to relieve nausea
 - Dimenhydrinate (Gravol), 25-50 mg IM q4-6h
- Antibiotics
 - Cefazolin 1 g IV every 8 hours OR ampicillin 2 g IV every 6 hours AND metronidazole (Flagyl), 500 mg IV q12h

Cholecystitis or Cholangitis

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Causes

- Appendicitis
- · Gynecologic problems
- Pyelonephritis
- · Peptic ulcer

Physical Examination

- · Vital signs
- Inspection (contour, symmetry, location of pain)
- Auscultation
- High pitched bowel sounds obstructive process
- Low pitched bowel sounds ileus, obstruction
- Palpation and Percussion
- Muscle rigidity, localized tenderness, obturator sign

Acute Abdominal Pain

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Diagnosis	Usual Location of Pain	Comments
Hepatitis, subphrenic abscess, hepatic abscess, neoplasm	RUQ; may radiate to right shoulder	Elevated liver enzymes, jaundice
Cholecystitis, cholelithiasis, cholangitis	RUQ, mid-epigastric region; radiates to back and right scapula	Sudden onset with associated nausea and/or vomiting; elderly may have minimal or no associated pain; fever with cholangitis
Pancreatitis, neoplasm	Mid-epigastric region; radiates to back	May have signs of peritoritis, nausea and vomiting, increased pain with any oral intake with pancreatitis
Duodenal ulcer or gastric ulcer	Mid-epigastric region, LUQ; radiation to back if posterior ulcer; peritoneal signs with perforation	Elderly may have minimal or no associated pain overt GI bleeding or hemodynamic instability with perforation
Gastroenteritis	Generalized, may radiate	Crampy, riausea, vomiting and/or diarrhea
Constipation, obstipation, bowel obstruction; ileus	Generalized, may radiate	Abdominal distention, hyper-resonance, aftered bowel function
Splenio hematoma or enlargement, rupture, infarct	LUQ	Hypotension and peritonitis if ruptured
Aortic aneurysm	Epigastrio, periumbilical, especially into back flanks; may present as epigastrio or back pain, flank or hip pain	May be colicky; hypotension if ruptured

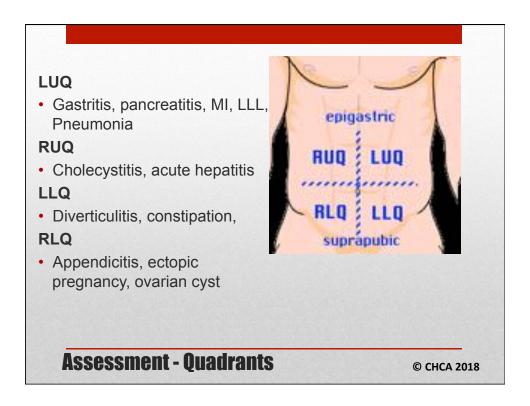
Category	Upper GI Bleeding	Lower GI Bleeding
Inflammatory	Peptic ulcer disease	Diverticulitis
	Erosive gastritis	Ulcerative or Crohn's colitis
	Erosive esophagitis	Enterocolitis
	Stress uicer	Radiation colitis
		Ischemic colitis
Anatomical	Mallory-Weiss tear*	Anal fissure*
	Meckel's diverticulum	Diverticulosis
Vascular	Esophageal, gastric, duodenal varices	Hemorrhoids*
	Angiodysplasia, telangiectasia	Angiodysplasia, telangiectasia
		Mesentenc ischemia
Tumour	Benign/malignant	Malignant or benign polyps
Systemic	Blood dyscrasias	Blood dyscrasias

Physical Findings Management Increased HR, weak Pantoprazole pulse, rapid respirations (Pantoloc IV), 80 Bright red blood in vomit mg bolus over 30 minutes then · Black tarry stool or stool pantoprazole with blood clots (Pantoloc) 8 mg/ hour IV infusion **GI Bleeds** © CHCA 2018

- GERD
- Diarrhoea
- Cholecystitis
- Diverticulitis
- Appendicitis

GI Differential Diagnoses

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Etiology:

- · Reduction of LS Tone
- Irritation of Mucosa, delayed gastric emptying Cardinal Symptom:
- Post Prandial Pyrosis



- Reduce Acid
- · Diet Changes, increase head of bed,
- Trial of H₂ Receptor antagonist (Ranitidine 150mg po bi)
- If no improvement, consult for Protein Pump Inhibitor (Rabeprazole 20mg OD for 4-8 week may increase to BID for 4 weeks).
- If no improvement refer or consult & reassess

Reference: TOPs Guideline (2009)

Algorithm of Management of uncomplicated GERD

Treatment

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What medications can cause GERD to increase?

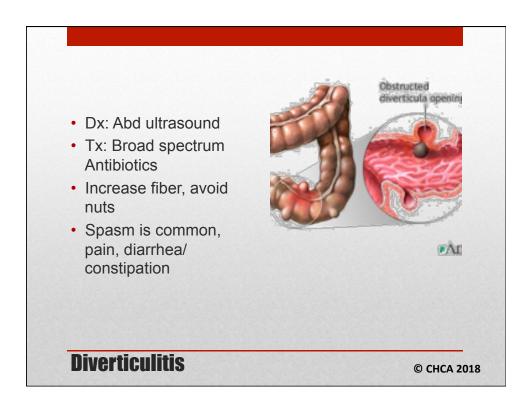
Calcium Channel Blockers

If Barrett's esophagitis is diagnosed endoscopy and biopsy is indicated to r/o cancer... how often should this be done?

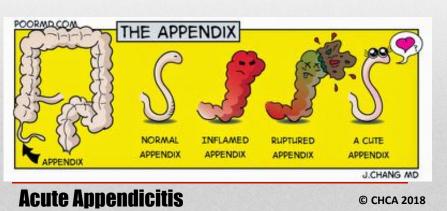
1-2 years

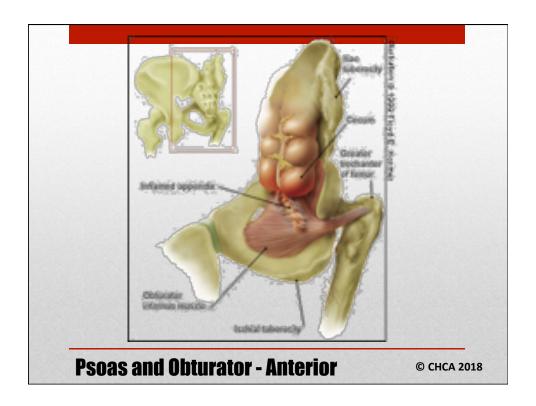
GERD

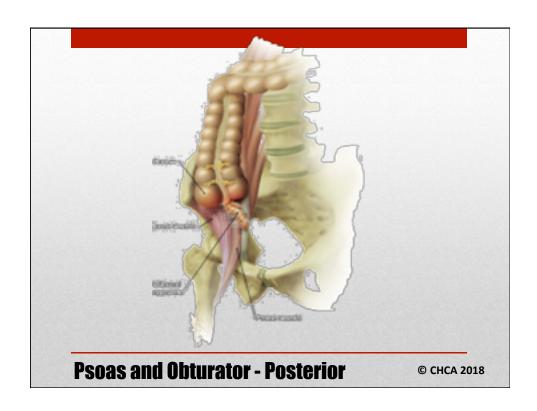
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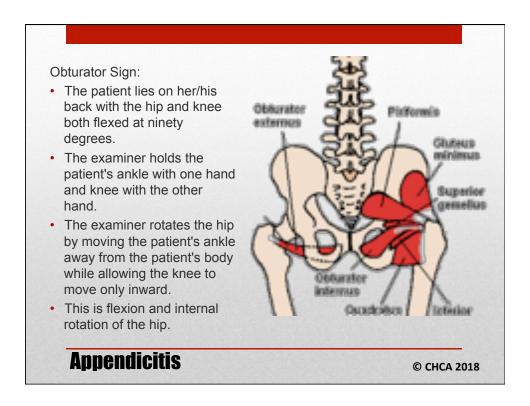


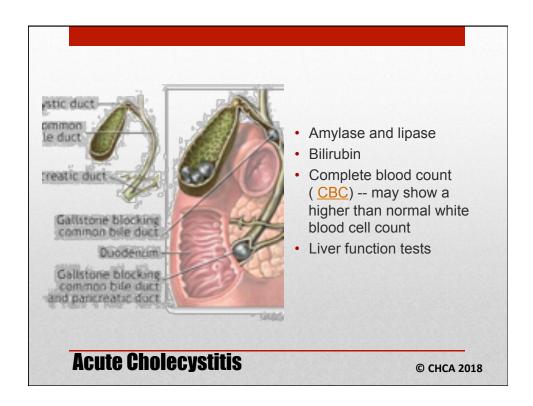
- Pain localizes at McBurney's point
 No appetite
 Signs or rupture include acute abdominal signs: guarding,
- rebound tenderness, board-like rigidity
- Psoas and obturator signs are positive

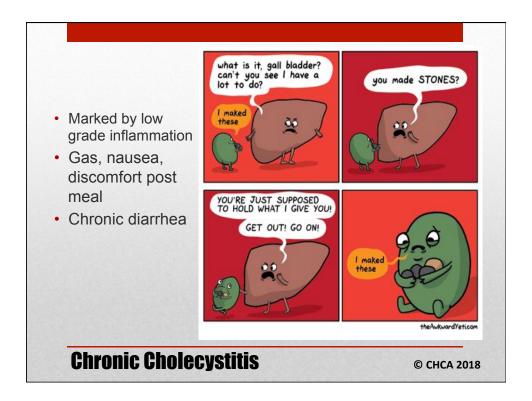












- · Complicated UTIs include:
 - · patients with spinal cord injury,
 - indwelling catheters,
 - obstruction or structural or functional genitourinary abnormalities
- Causes: E. Coli (80-90%) and Klebsiella,
 Pseudomonas, Group B Strep, Streptococcus,
 Proteus mirabilis, fungi.
- Findings: No Costo-vertebral (CVA) tenderness or flank pain, prostate may be enlarged, mild to moderate suprapubic tenderness, leukocytes and nitrates on urine dip.

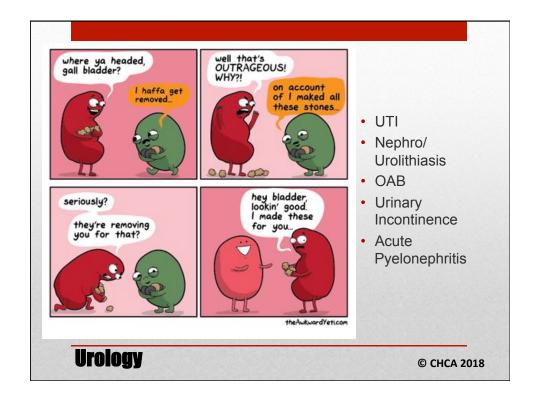
Urinary Tract Infection

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- UTI in pregnancy Tx = Macrobid 100mg PO BID x 7 days
 - But contraindicated in women at 36-42 weeks
 - · Increased resistance to Amoxicillin.

Example: Pregnancy Female

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Kidney Stones To prevent additional renal damage, which may lead to loss of renal parenchyma To manage pain associated current stone(s) · To expedite passage or removal of any stones present To prevent new stones from forming. · Management may include medical approaches, surgical interventions, and dietary modification. **Urolithiasis** © CHCA 2018

