

Objectives Identify age-related changes in the gastrointestinal tract Identify the most common presentation, diagnosis and treatment of gastrointestinal complaints in the elderly Recognize when consultation of a gastroenterologist is warranted for the most common gastrointestinal complaints in the elderly

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JGHT

Importance

- Over 35 million people over 65 years old in US
- 35-40% of geriatric patients will have at least 1 GI symptom / year
- 60-70% of healthcare costs are spent on elderly



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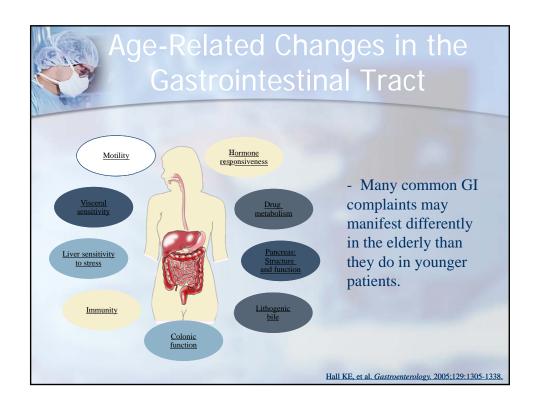
Importance

- GI illness in the elderly are a source substantial morbidity, mortality and cost in US
 - Estimated at \$142 billion per year
- GI complaints account for an estimated 10% of general practitioners time/work
- In the last several years, a change in medical climate has emphasized decreased cost



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Esophagus

- Dysphagia, regurgitation, chest pain, and heartburn are common in elderly
- Presbyesophagus
 - Decreased contractile amplitude
 - Polyphasic waves
 - Incomplete relaxation of LES
 - Esophageal dilation



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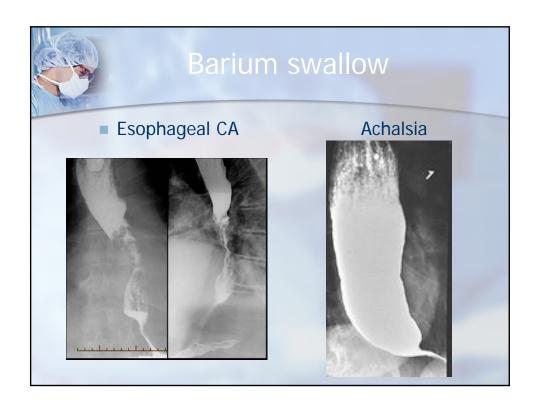
Esophagus (cont.)

- Dysphagia- history is the most important tool in diagnosis
 - Progressive?
 - Painful?
 - Solids vs liquids
 - Temperature dependent?
 - Regurgitation?
 - Initiation?
- Barium swallow should be initial first test

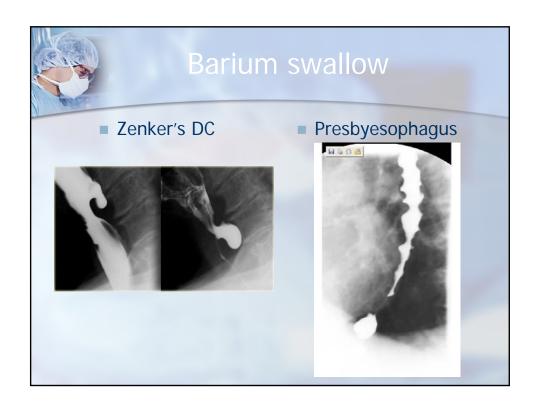


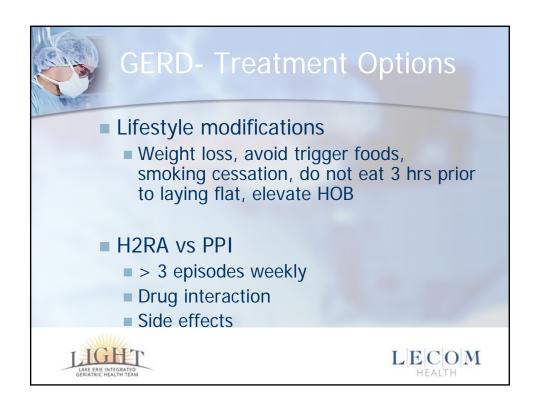
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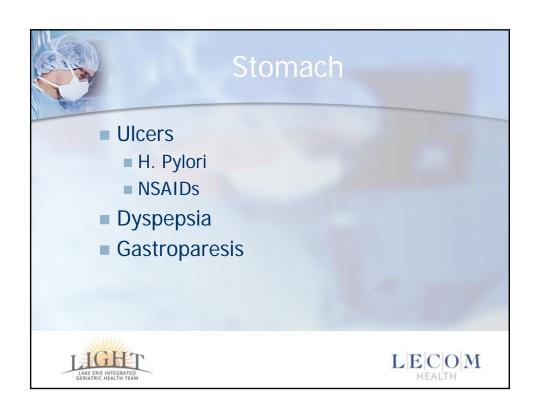


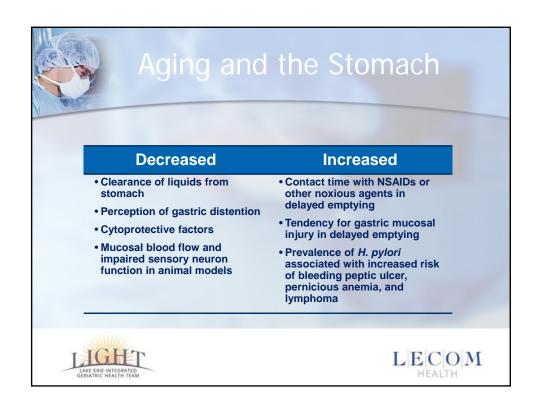


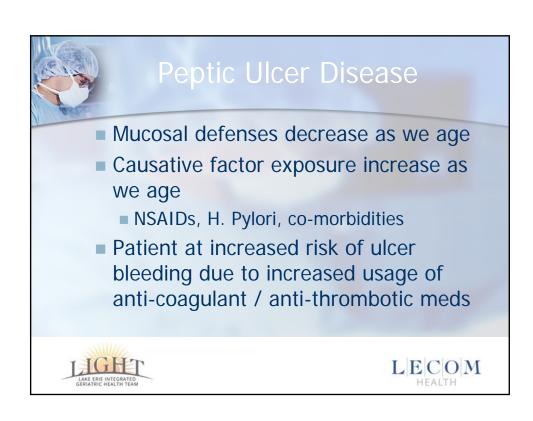


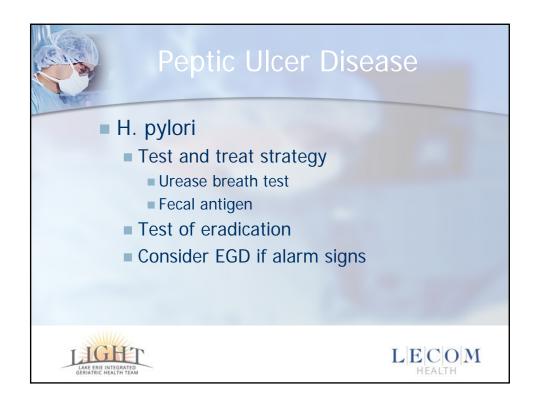




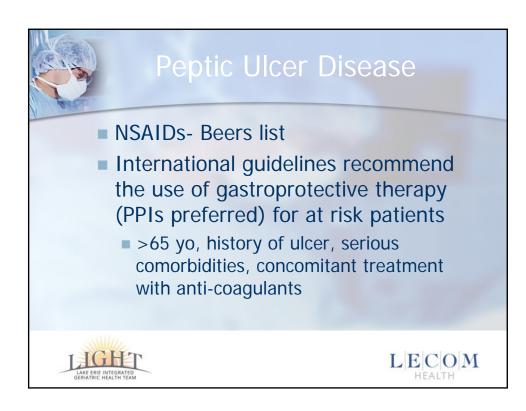


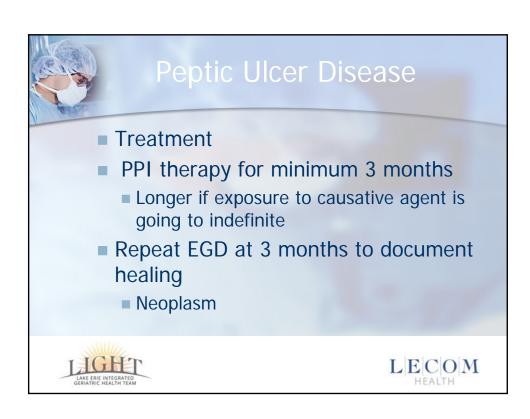


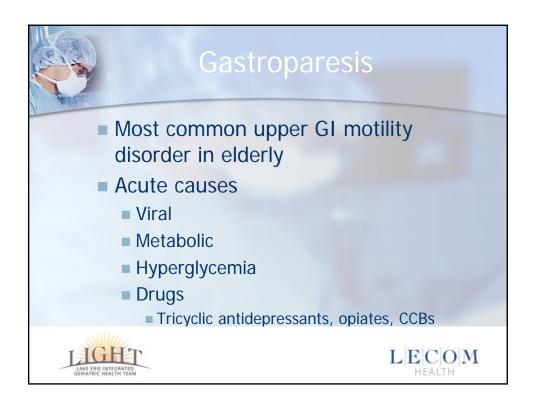
















- Abdominal pain, nausea, vomiting, early satiety
- EGD- rule out neoplasm (don't forget about barium)
- Gastric emptying scintigraphy
- Relevant labs and imaging to look for underlying causes.



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Gastroparesis

- Treatment
 - Find and treat underlying cause
 - Lifestyle modifications- small frequent, low-fiber, low fat meals
 - Prokinetics
 - Metoclopramide- side effects prohibit use
 - Other agents are temporary or unavailable in US



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Small Intestinal Bacterial

- Symptoms nonspecific
 - Fatigue, nausea, vomiting, diarrhea, weight loss, bone pain, arthralgia
 - If severe, signs of malabsorption present
- Diagnosis- clinical
 - Jejunal aspirate
 - Hydrogen breath test
 - Schilling test



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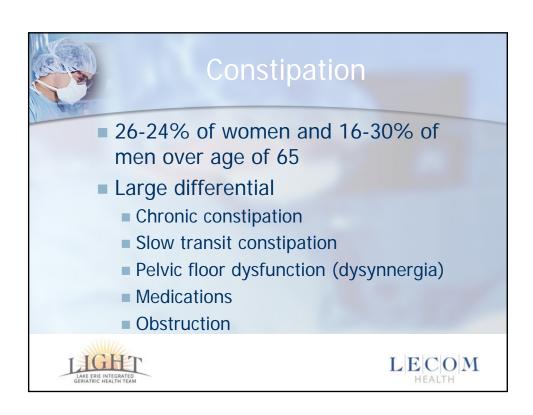
Small Intestinal Bacterial

- Treatment- underlying cause
 - Diet- high fat and low carbohydrate
 - Prokinetics
 - Antibiotics- Rifaxamin, fluoroquinolones
 - Often require repeat course
 - Probiotics- not helpful

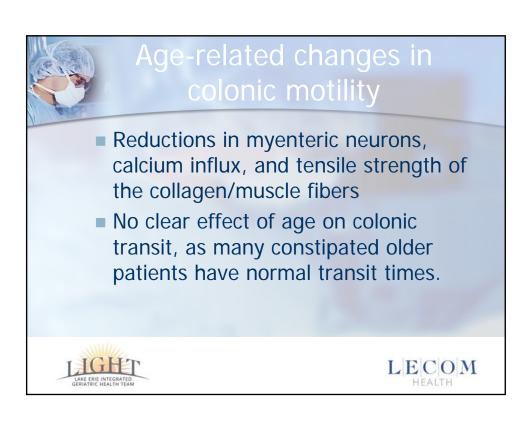


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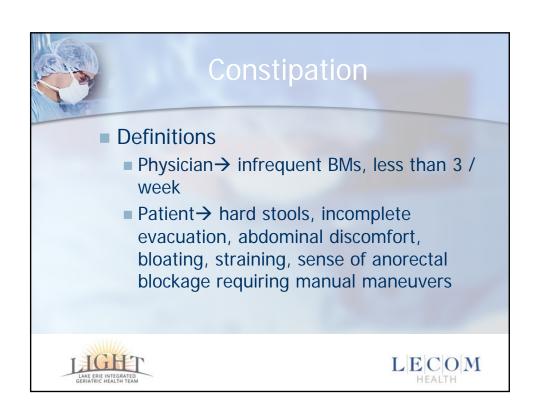


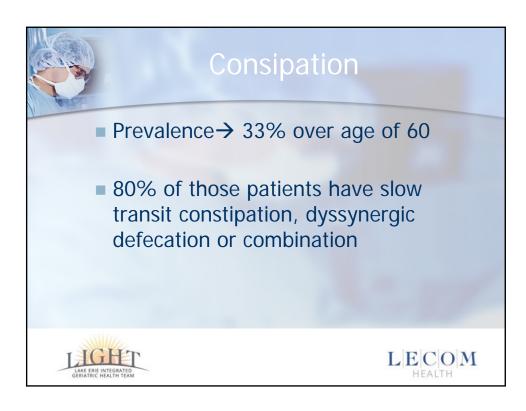






Age related changes to Anorectum Reduced rectal compliance Impaired rectal sensation Decreased sphincter pressures LECOM









Constipation Workup

- If patient not colonoscopy candidate consider barium enema
- Xray
- Sitz marker study
- Anorectal function / manometry



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Constipation Treatment

- Dietary fiber, bulking agents, osmotic and stimulant laxatives, stool softeners, prokinetics, biofeedback, surgery
- Review meds to see if any adjustments can be made
 - CCBs, tricylcic anti-depressants, anticholinergics, opiates etc.



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