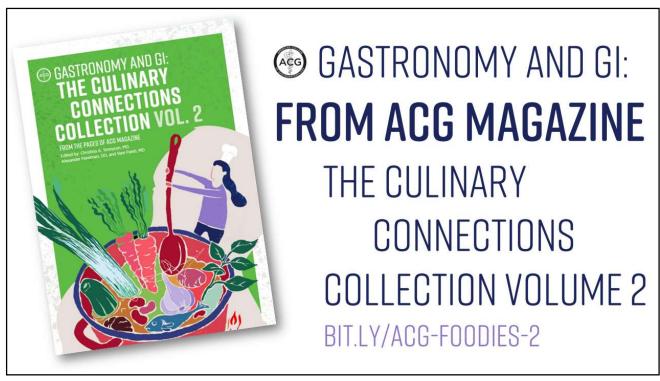


ACG IBD SCHOOL & EASTERN REGIONAL POSTGRADUATE COURSE

ACG'S IBD SCHOOL

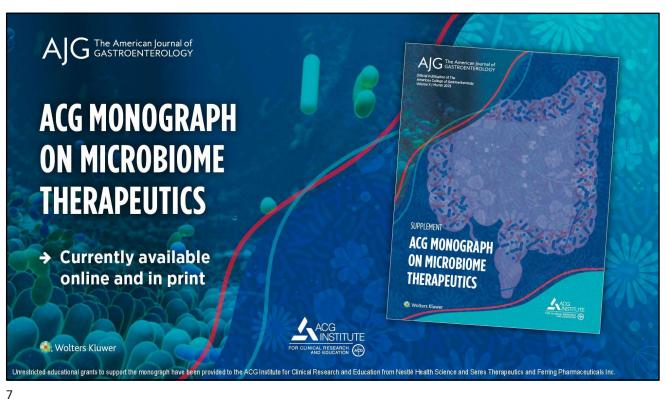
ACG'S IBD S

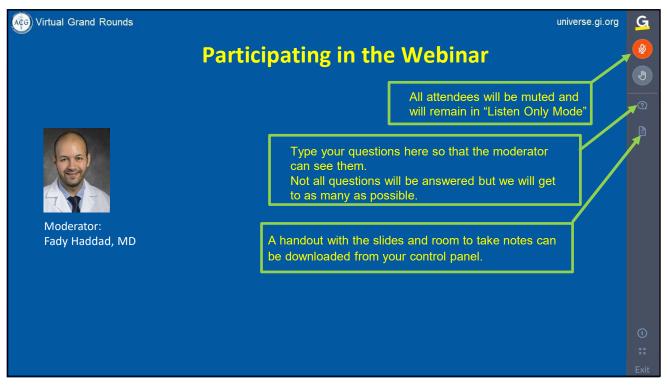


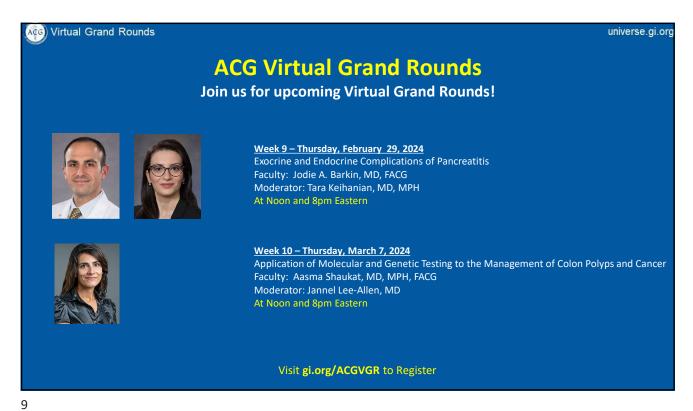












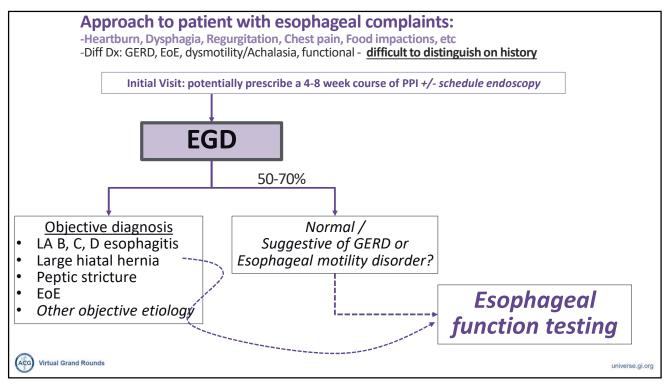
ACG ANNOUNCES a New Book Series

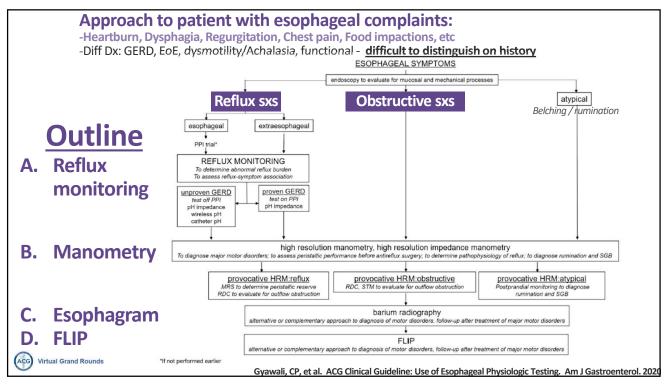
Now Available!

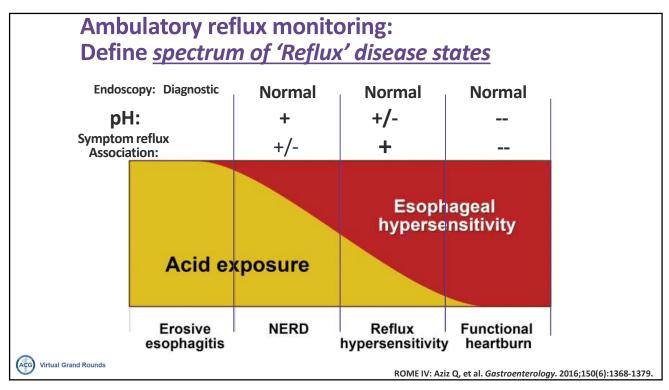
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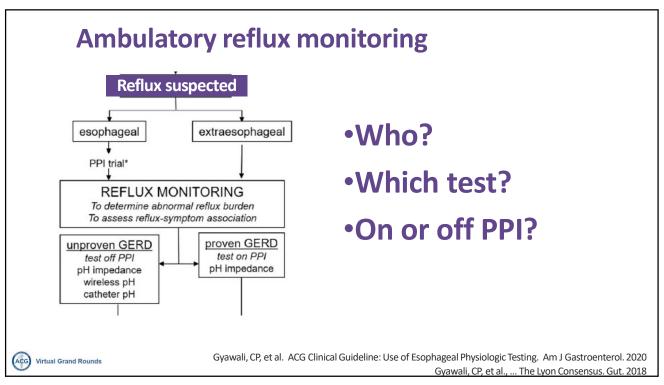


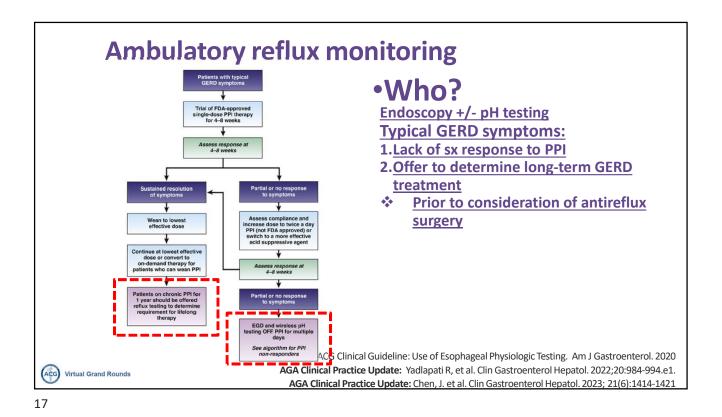


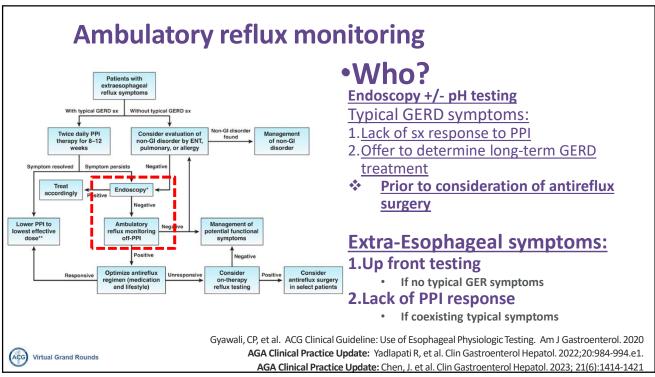


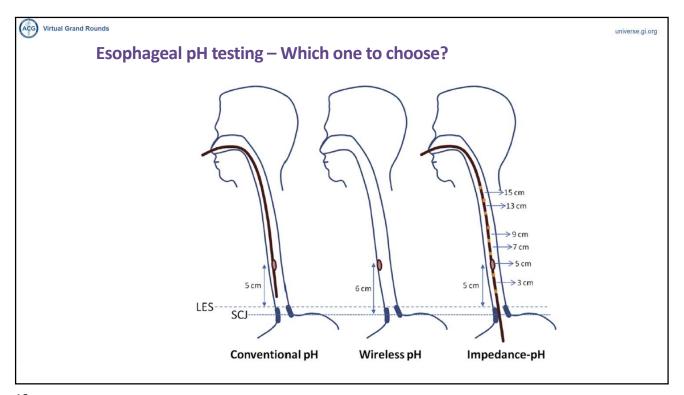


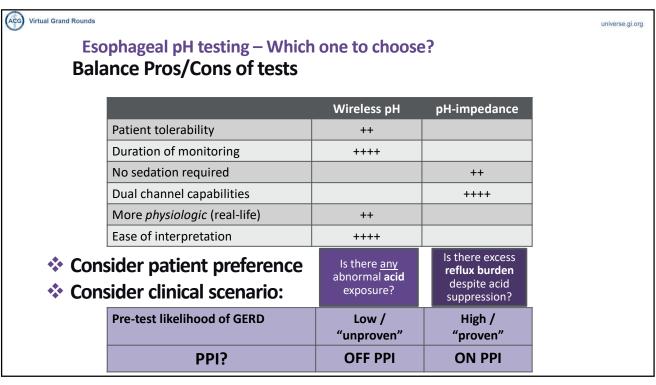


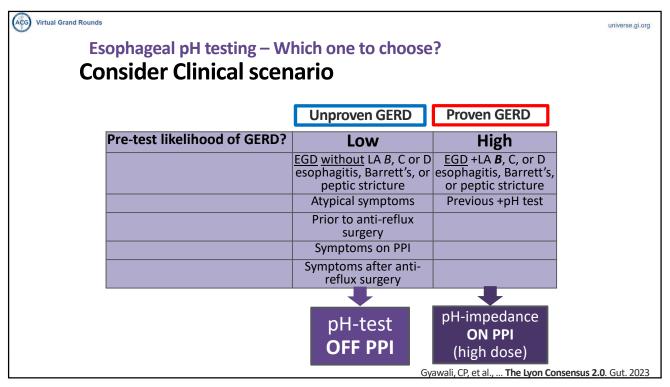


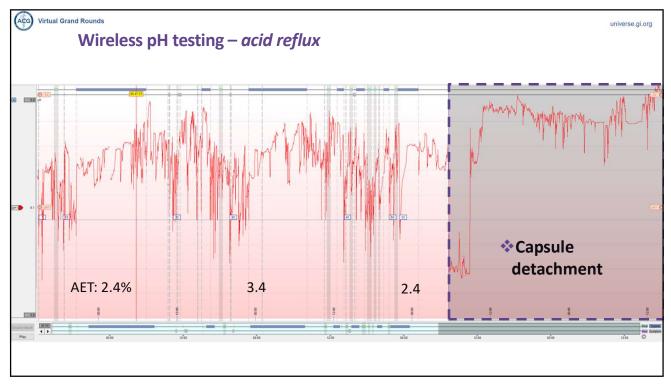


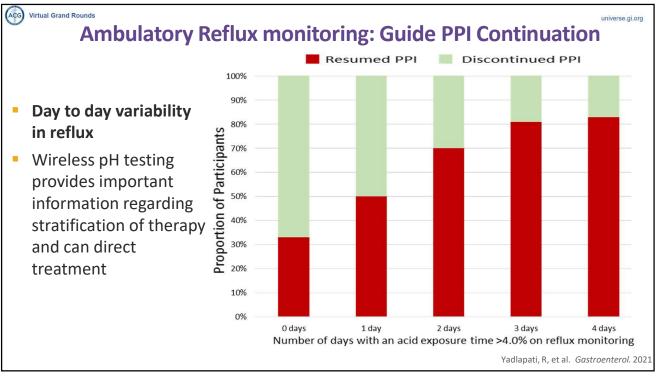


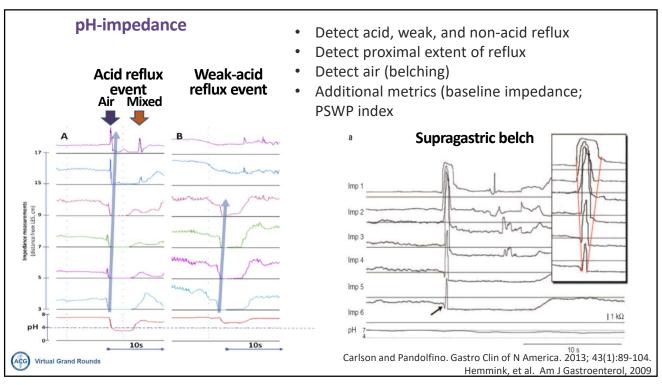


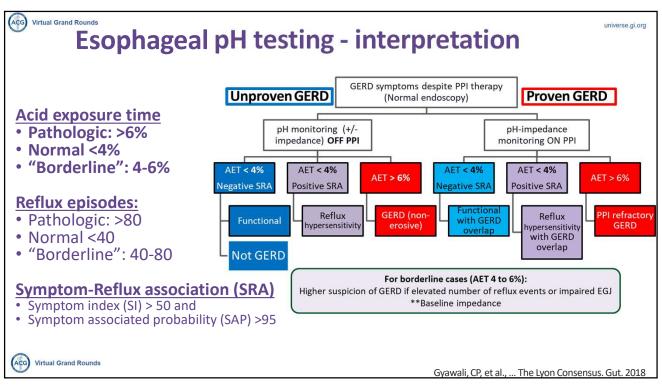


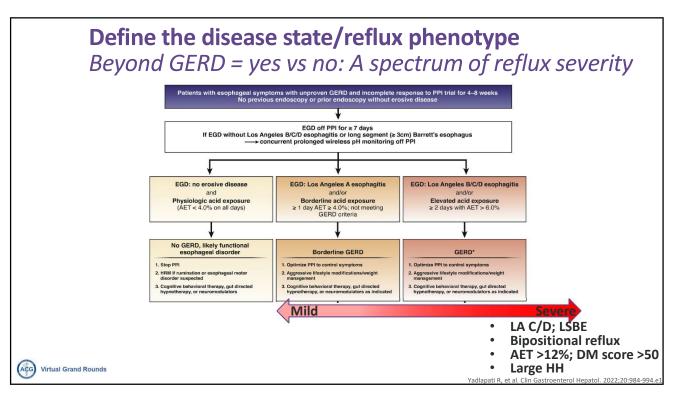


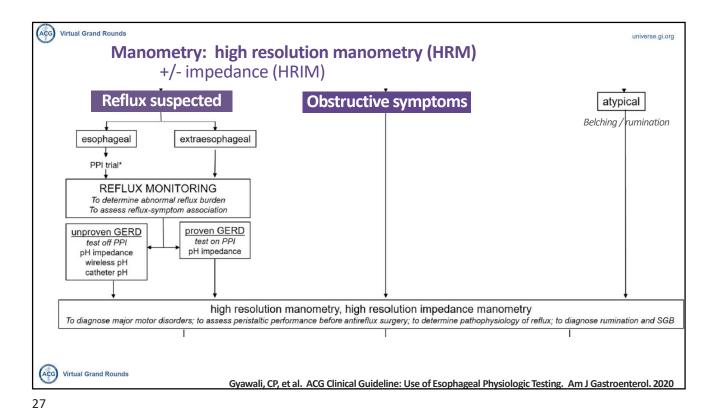












HRM/EPT interpretation caveats

Affect manometric pressure:

- Patient position (supine vs seated)
- Bolus size
- Bolus consistency
- HRM assembly
 - Application of normal/abnormal values based on testing with similar brand assemblies
- "Secondary" / "Reactive" motility findings
 - E.g. pseudoachalasia
 - Mechanical obstruction
 - History of previous foregut surgery
 - Reflux esophagitis

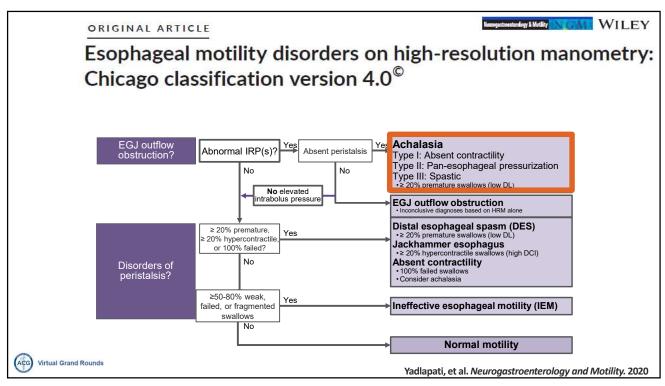
- Chicago Classification protocol
 - 5ml Liquid swallows
 - 10x (supine)
 - 5x (upright)
 - Multiple rapid swallows
 - 5x2ml liquid q2-3sec
 - Optional:
 - Rapid drink challenge (200ml liquid)
 - Solid meal

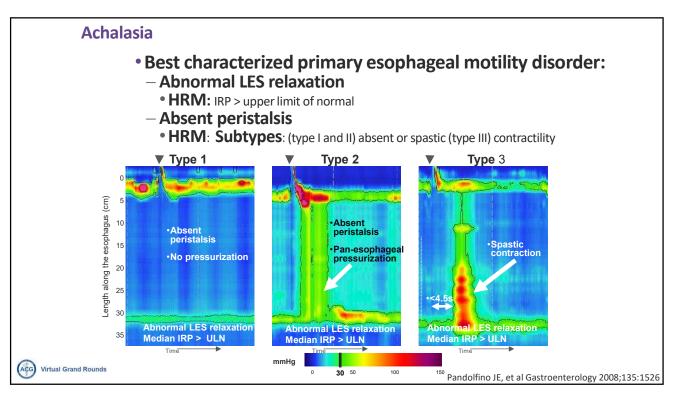
Chicago Classification

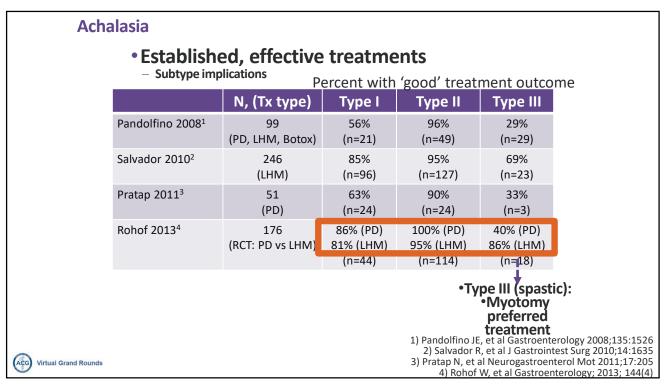
- Intended for diagnosis of <u>primary motor</u> disorders
- Interpret HRM in context of clinical history and endoscopy findings

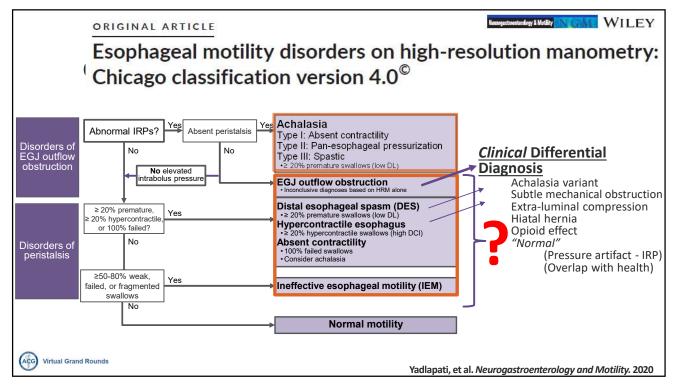


Herregods, TV, et al. Neurogastroenterology and Motility. 2015; 27(2): 175-87 Yadlapati, et al. Neurogastroenterology and Motility. 2020

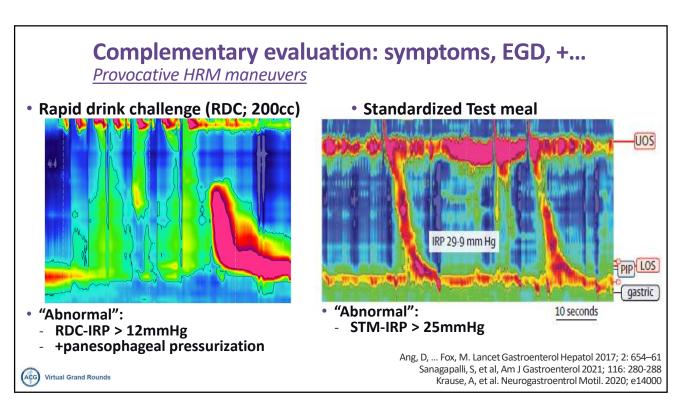




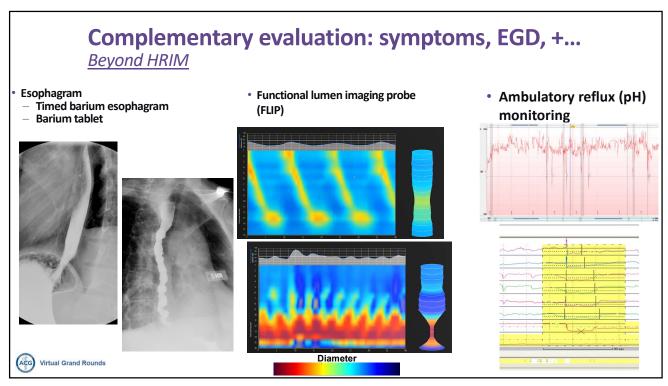


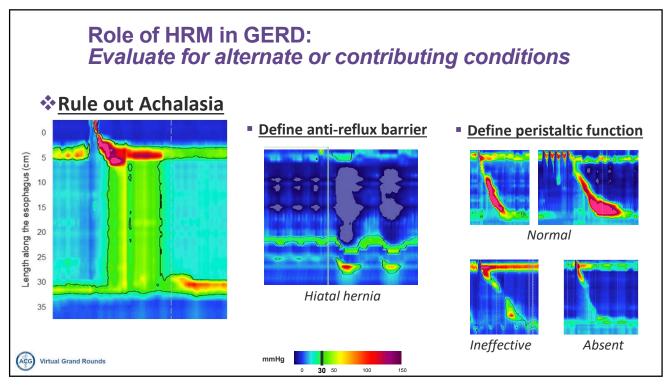


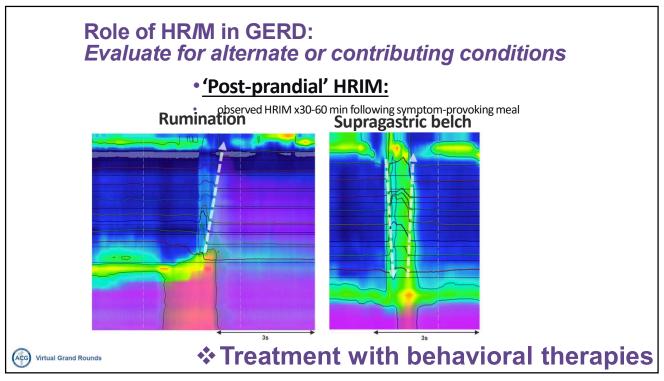
Clinically heterogeneous HRM pattern • HRM = EGJOO: — Criteria: Elevated IRP (supine and upright); +peristalsis; ↑IBP*; +dysphagia/chest pain Differential Diagnosis Achalasia variant • Early/"Evolving" achalasia Subtle mechanical obstruction - Extra-luminal compression Hiatal hernia Opioid effect IRP 28 mmHg - Normal motility Pressure artifact IRP 32 mmHg Vascular or anatomic • "EGJOO" on HRM = Clinically inconclusive finding (complement with IRP 35 mmHg ACG Virtual Grand Rounds Esophageal Center at Northwestern

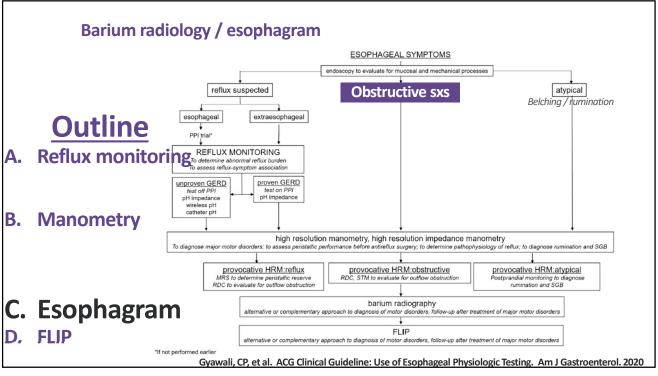


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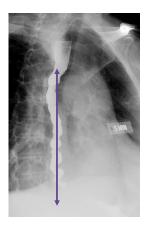




Barium radiology / esophagram

- Timed barium esophagram (TBE)
 - Standardized to quantify esophageal retention
 - 200ml thin barium in upright position
 - AP images at 1, 2, 5 minutes
 - "Abnormal":
 - 5 minute column height >5cm
 - 5 minute column height >2cm
 - 1 minute column height >5cm
 - 1 minute column height >0cm
- · Barium tablet 12-13mm
 - "Abnormal" = failure to pass
- Visualize Anatomy
- Monitor treatment effects (after achalasia treatment)

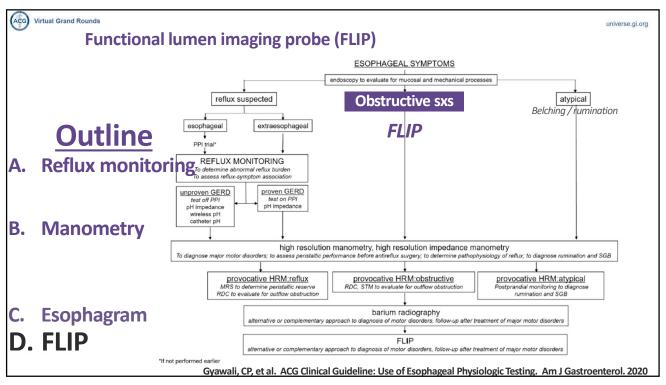


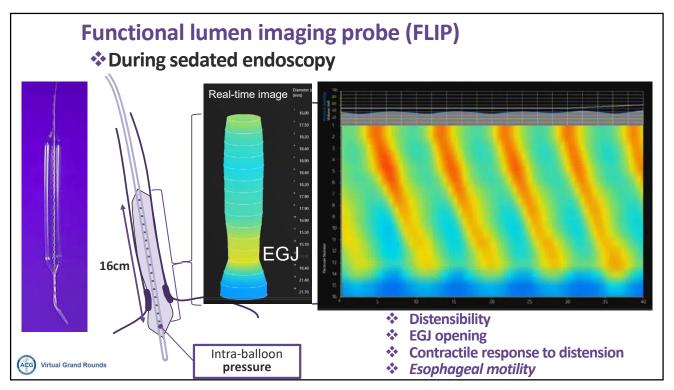


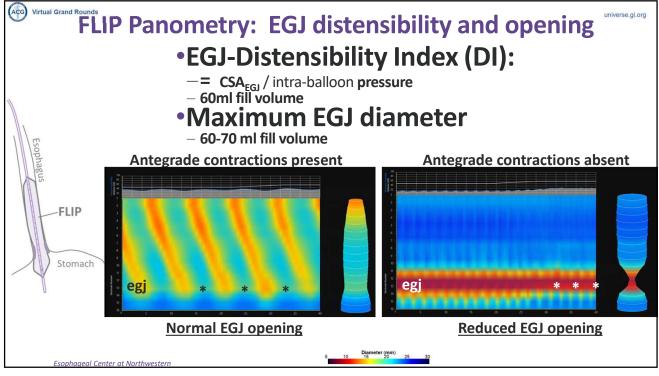


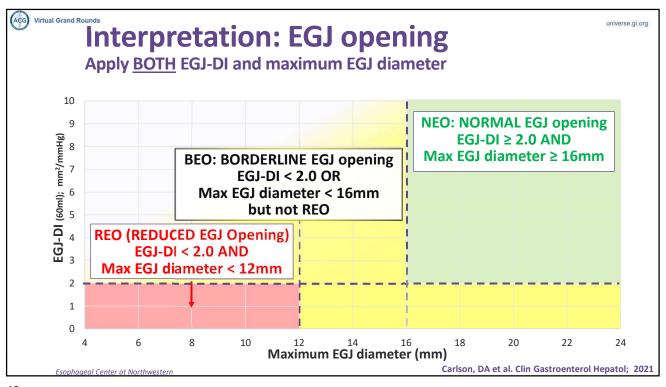
Blonski, W, ... Richter, JE, Am J Gastroenterol 2018; 113: 196-203

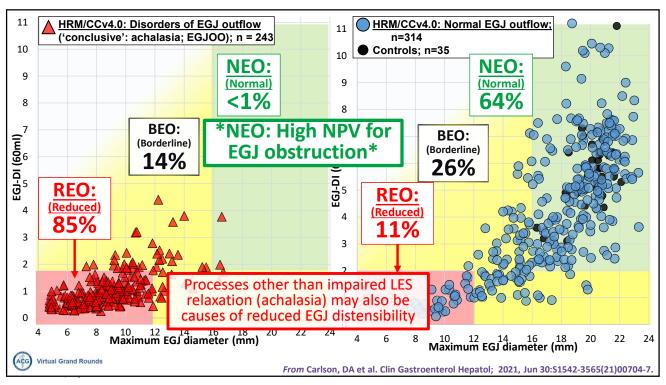
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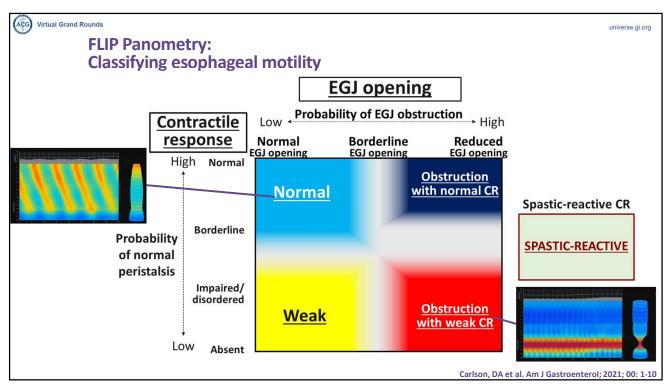


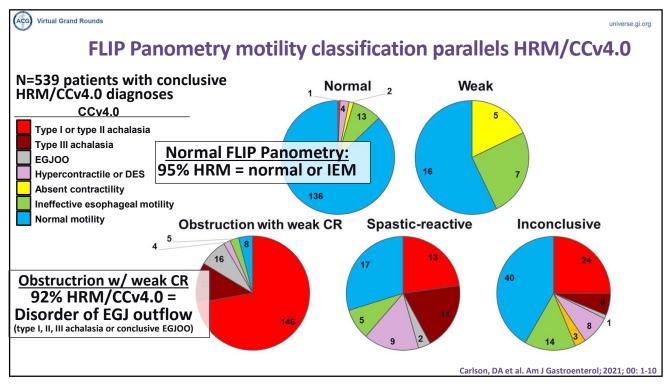


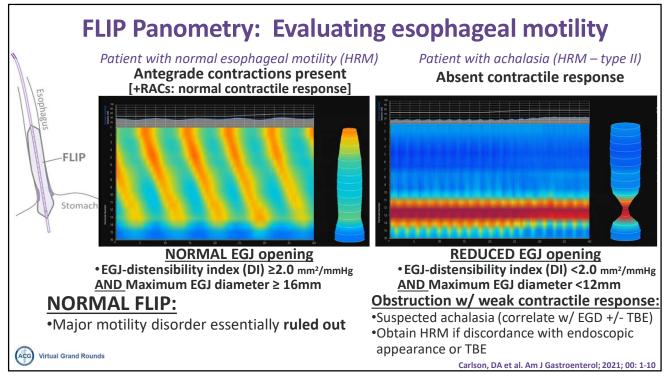












ACG Virtual Grand Rounds

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Interpretation and Therapeutic Implications of Physiologic Testing in the Management of Esophageal Disorders

Summary and Conclusions

- Overlap in symptomatic presentation of esophageal disorders (including functional)
 - Can use a patient (history) tailored diagnostic approach to define the clinical diagnosis
- Esophageal function testing facilitates defining an objective clinical diagnosis, ideally to direct targeted and tailored treatment
 - -No one test is perfect (nor is one metric or one threshold):
 - Clinical diagnosis generally requires cumulative application of global clinical picture and test results

