

ACG INSTITUTE RESEARCH GRANTS AND AWARDS 2022



EIGHT different award types; INCREASED Junior Faculty FUNDING; NEW Health Equity Research Award; Med Resident and Student Awards

www.gi.org/research-awards

Grant System Opens: September 7, 2021

Deadline: December 3, 2021

Read the **Grant Flyer**, **FAQs**, or visit the webpage for the full RFAs.

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NEW! ACG Institute Health Equity Research Award

APPLY: gi.org/research-awards DEADLINE: December 3, 2021

Read the flyer at gi.org/research-awards to learn more!



ACG INSTITUTE RESEARCH
GRANTS AND AWARDS 2022







EIGHT different award types; NEW Health Equity Research Award; Bridge Funding; GIQuIC Research funding; Med Resident and Student Awards

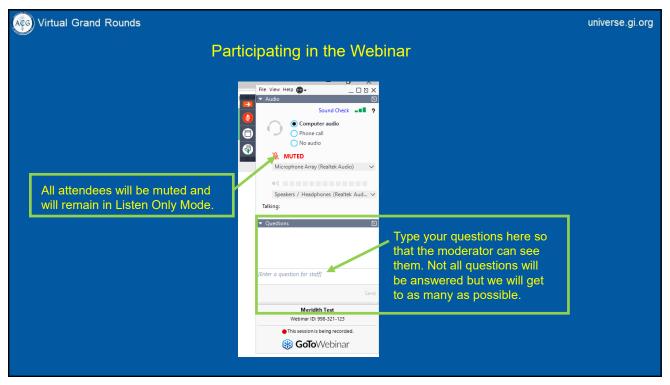
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How to Receive CME and MOC Points

LIVE VIRTUAL GRAND ROUNDS WEBINAR

ACG will send a link to a CME & MOC evaluation to all attendees on the live webinar.

ABIM Board Certified physicians need to complete their MOC activities by <u>December 31</u>, <u>2021</u> in order for the MOC points to count toward any MOC requirements that are due by the end of the year. No MOC credit may be awarded after <u>March 1</u>, <u>2022</u> for this activity.

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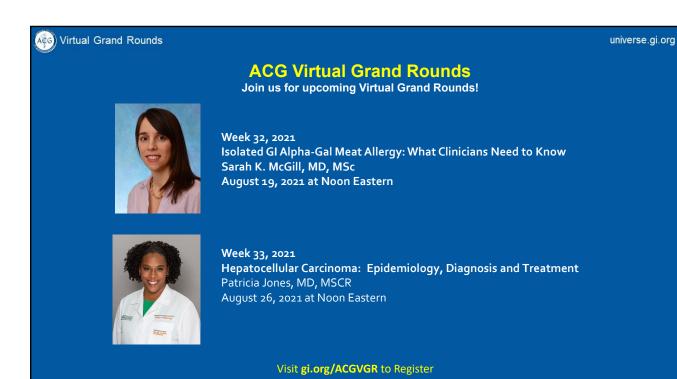
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MOC QUESTION

If you plan to claim MOC Points for this activity, you will be asked to: Please list specific changes you will make in your practice as a result of the information you received from this activity.

Include specific strategies or changes that you plan to implement.

THESE ANSWERS WILL BE REVIEWED.







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Screening for Barrett's Esophagus: Beyond Upper Endoscopy

Prasad G. Iyer MD MSc
Professor of Medicine
Director, Esophageal Interest Group
Division of Gastroenterology and Hepatology
Mayo Clinic, Rochester, Minnesota

ACG Grand Rounds 2021

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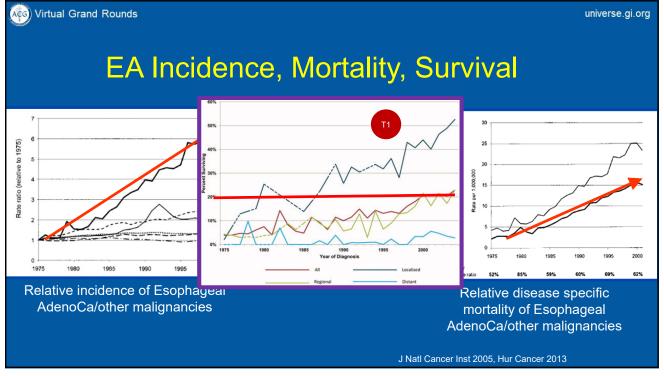


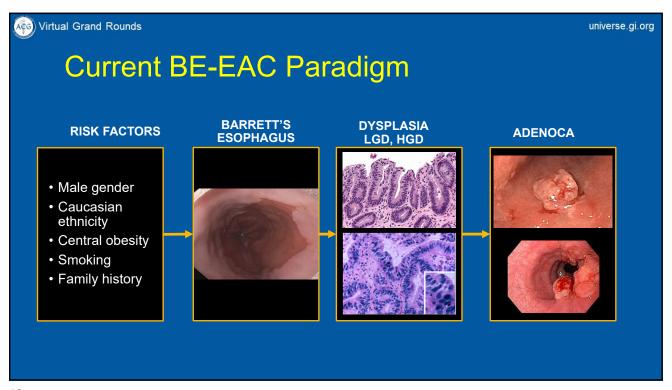
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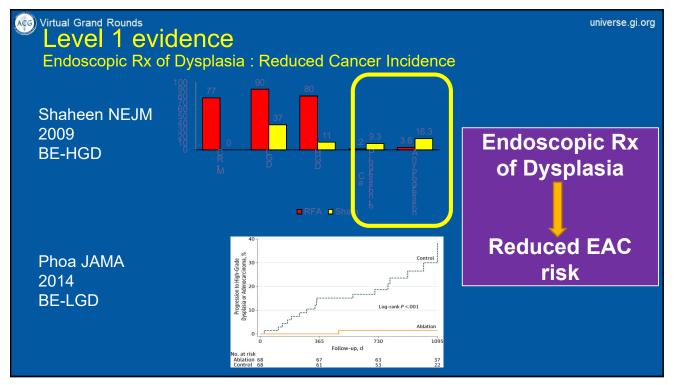
Objectives

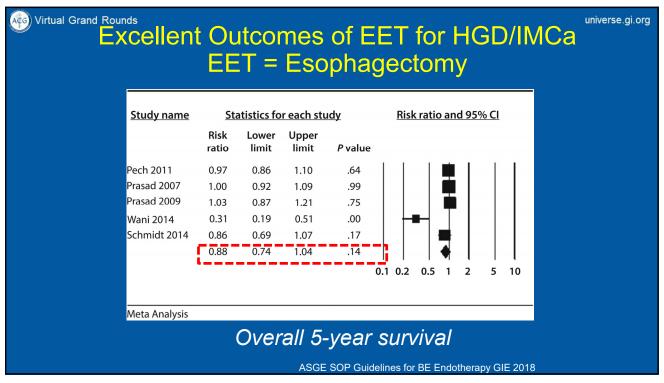
- Understand rationale and challenges for BE/EAC screening
 - Context of current recommendations for BE screening
- Discuss progress in non-endoscopic BE screening
- Pitfalls and Next steps

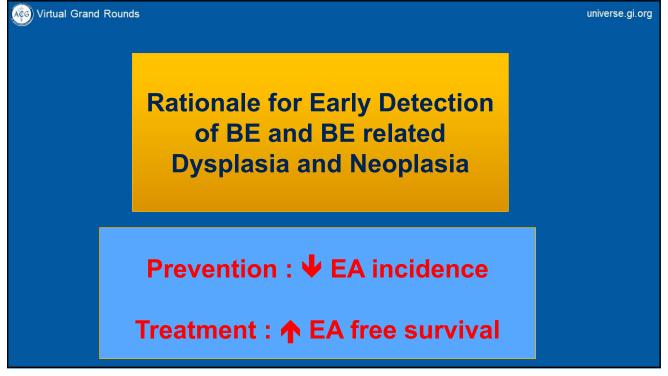


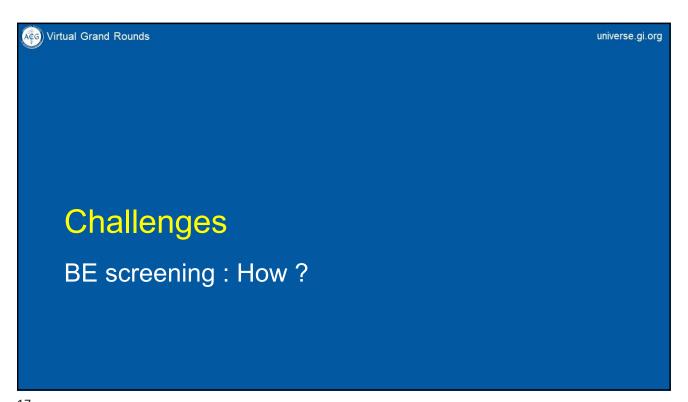


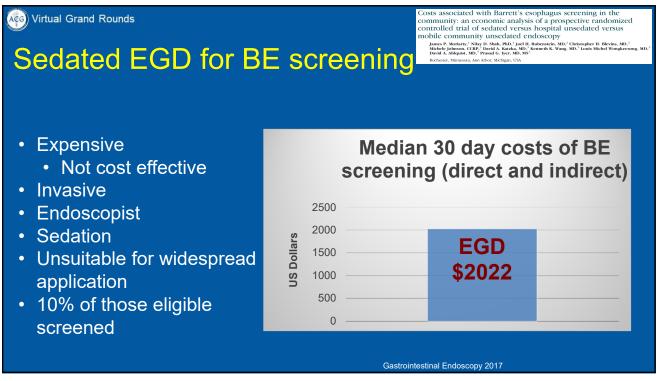


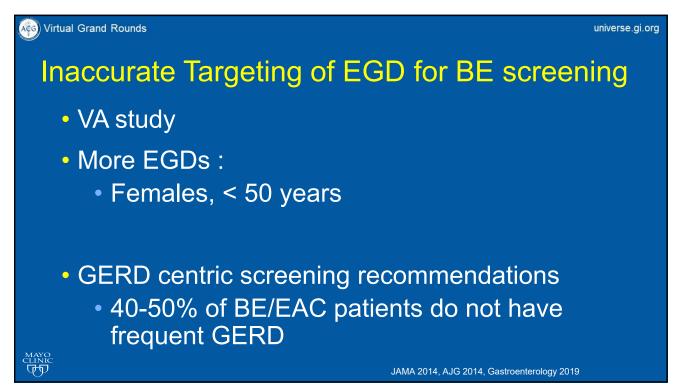


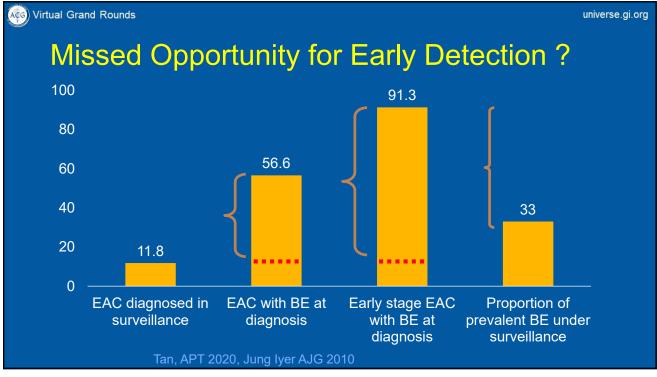


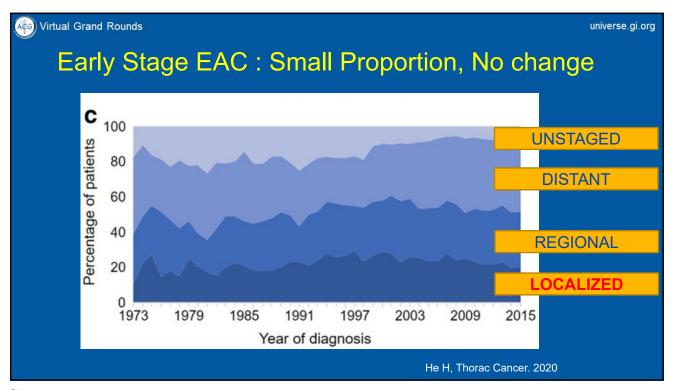


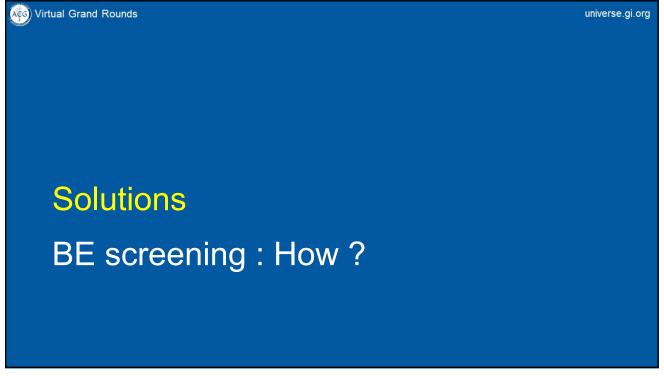


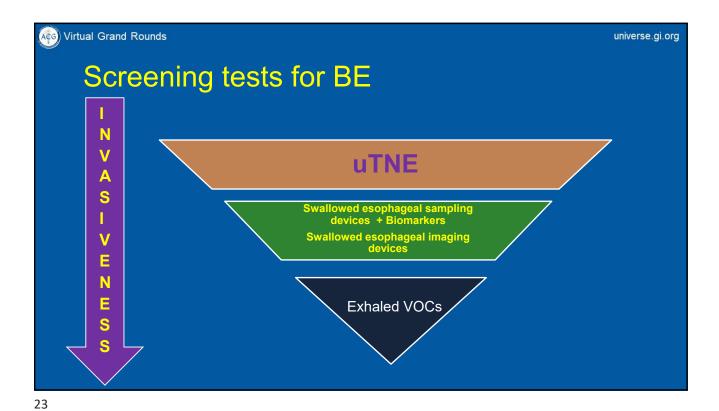












U Transnasal Endoscopy

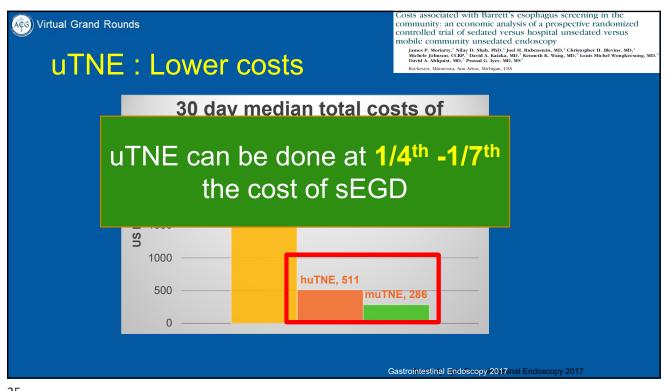
Accurate (Sens and Spec > 90%)

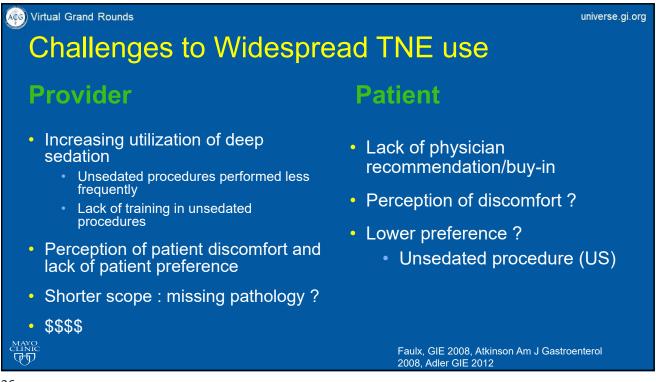
Well-tolerated, Safe,

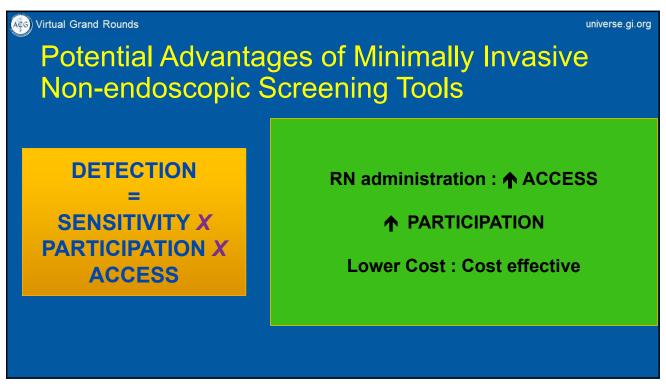
Comparable diagnostic yield, patient preference

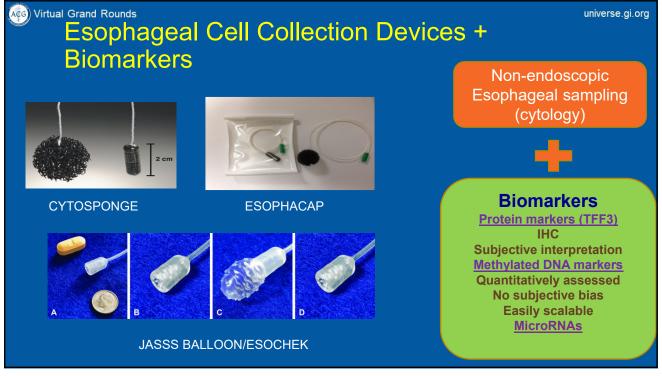
Can be done by non-physicians

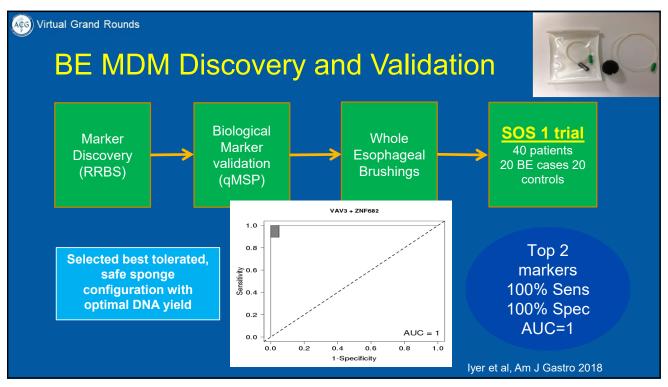
Sami AJG 2015, Mortiarty GIE 2017, Blevins JCG 2017, Chak GIE 2015, Chak CGH 2015, Peery AJG 2014, Sami CGH 2018

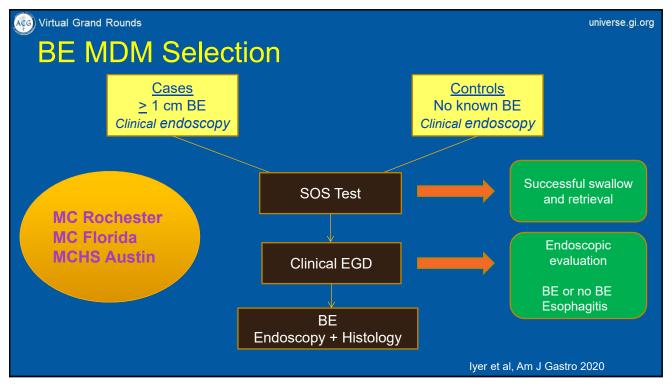


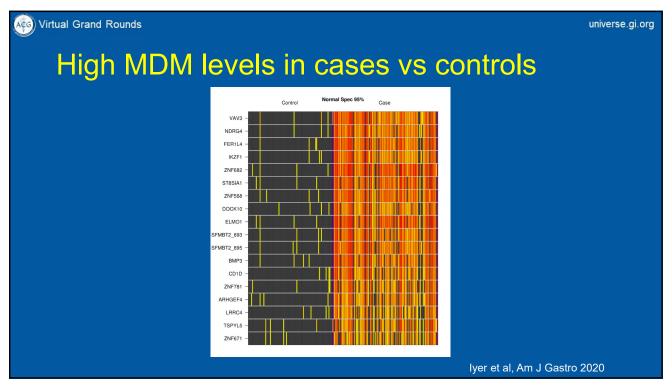


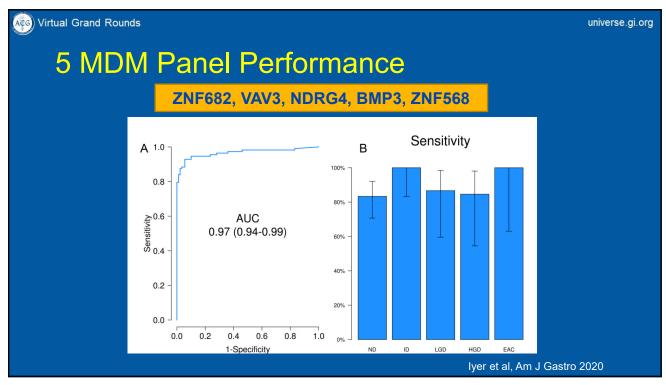


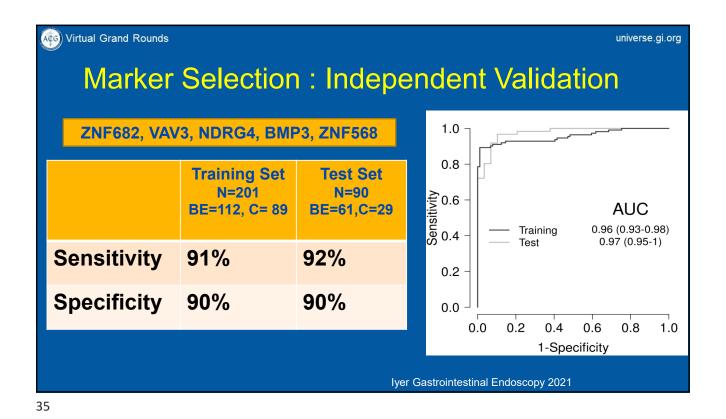




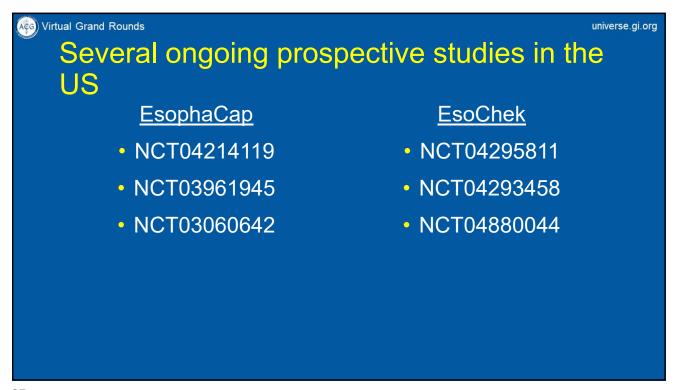


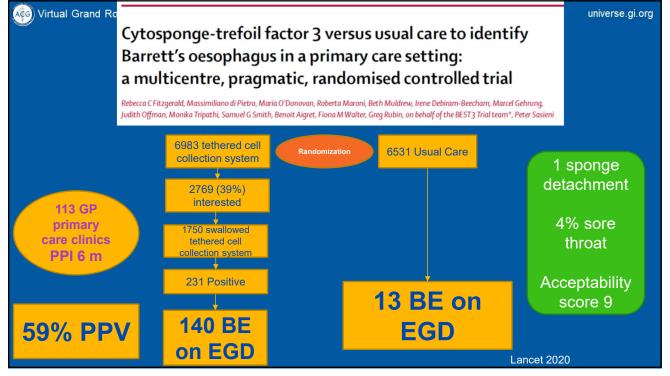




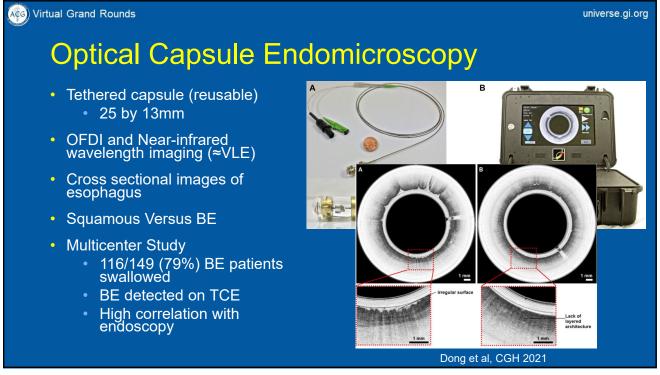


(G) Virtual Grand Rounds universe.gi.org Well-tolerated Accuracy (other studies) Safe Done by RNs, < 10 min Device/Marker Sensitivity **Specificity** Design 30 mm Sponge Case Control 80% N=1110 92% 30 mm Sponge **Case Control** 76% 77% N= 191 18 mm Balloon **Case Control** 92% 88% **MDMs** N=86 20 mm Sponge **Case Control** 62% 94% **MDMs** N = 95Ross Innes PLoS Med 2014, Moinova Sci Trans Med 2018, DDW 2019, Wang CCR 2019





Tethered Cell Collection System arm : BE dysplasia + Stage 1 EAC						
	Usual care group Intervention (n=6388)		ention group			
		Underwent the Cytosponge procedure (n=1750)	Did not undergo the Cytosponge procedure (n-5084)	Overall (n=6834)		
Grade of dysplastic Barrett's oe	sophagus					
No dysplasia	13	116	13	129		
Indefinite	0	7	0	7		
Low-grade	0	1	0	1		
High-grade	0	3	0	3		
Total	13	127	13	140		
Oesophago-gastric cancer stag	Oesophago-gastric cancer stage					
l l	0	4	1	5		
II II	1	0	0	0		
III	1	0	0	0		
IV	1	0	2	2		
Total number of participants with Barrett's oesophagus, cancer, or both	16	131	16	147		





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Exhaled Volatile Organic Compounds

- Three metal oxide sensors interact with exhaled VOCs
- Digital breath print specific to BE
- High patient uptake

BE : N=101, Control : N= 89							
Sensitivity	Specificity	AUC					
90%	69%	-	.84 h <i>PPI</i>)				
90%	53%	0.76 (Low PPI)					

Netherlands BE: N=129, GERD: N=141, Control: N=132						
Sensitivity	Specificity	AUC				
91%	74%	0.91 (All comers)				
64%	74%	0.73 (GERD)				

DDW 2019. Peters. Gut 2020

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Acc Virtual Grand R

ACG Clinical Guideline: Diagnosis and Management of Barrett's Esophagus

Nicholas J. Shaheen, MD, MPH, FACG 1 , Gary W. Falk, MD, MS, FACG 2 , Prasad G. Iyer, MD, MSc, FACG 3 and Lauren B. Gerson, MD, MSc, FACG 4

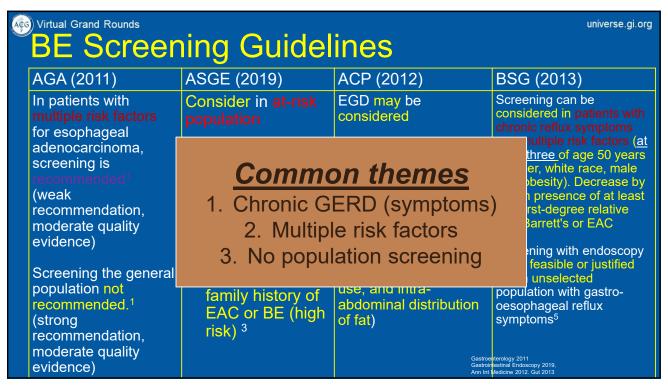
• Screening : males with chronic and/or frequent reflux and 2 or more risk factors

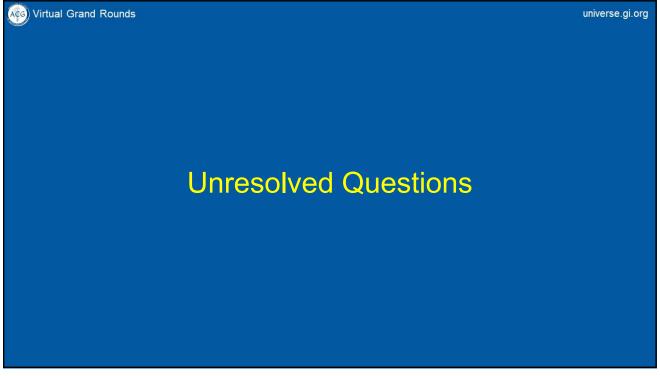
- Caucasian race
- Central obesity
- Ever smoking
- · Confirmed family history in a first degree relative
- Screening is <u>NOT</u> recommended in females
 - Low risk of EA
- Unsedated TNE is an alternative
- Consider life expectancy of patient

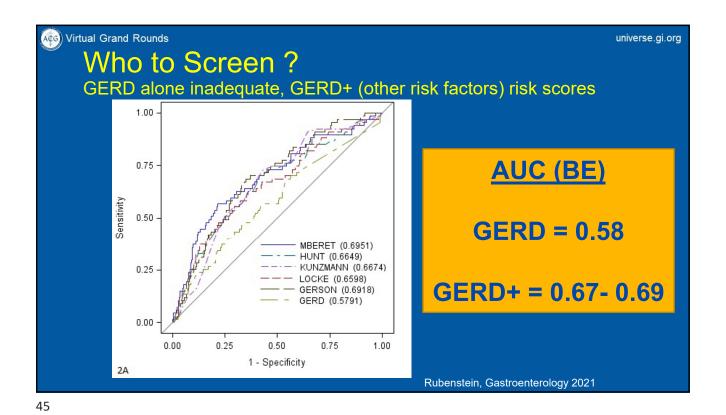
Am J Gastroenterology 2016

Strong recommendation

Moderate level of evidence







Validation of Tools for Predicting Incident Adenocarcinoma of the Esophagus (EAC) or Esophagogastric Junction (EGJAC)

206,974 people examined 1964-1973

319 cancer cases mean 32 years later

Cancer Registry

Rubenstein, JH, et al. Am J Gastroenterol. 2021.doi:10.14309/ajg.000000000001255

Tools predicted cancer better than GERD alone

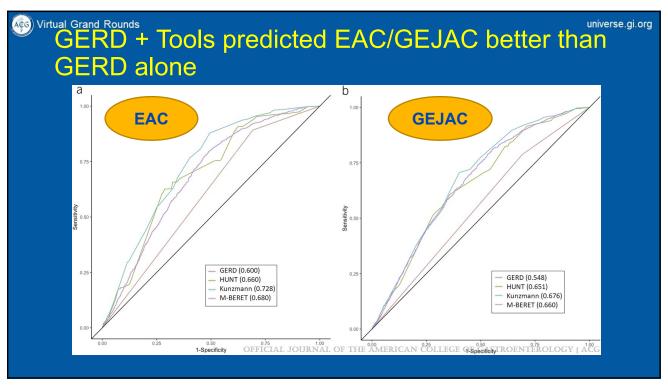
Rubenstein, AJG 2021

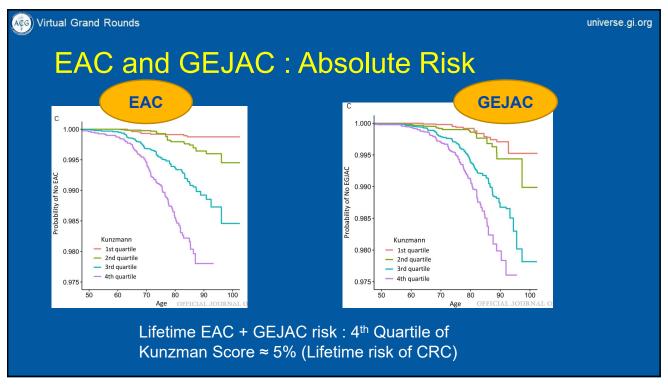
The American Journal of GASTROENTEROLOGY

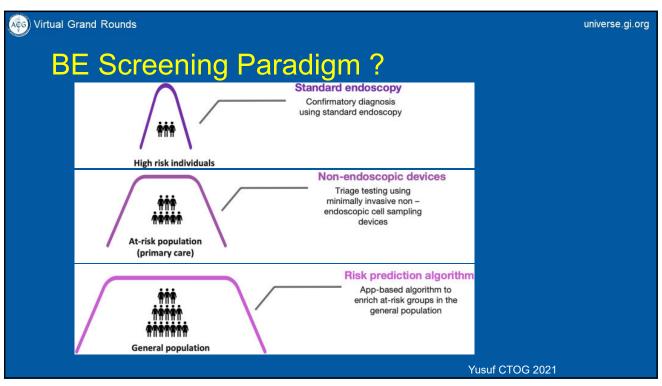
46

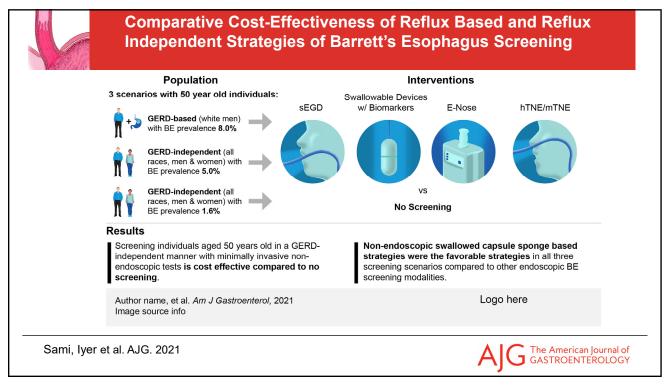
Questionnaires &

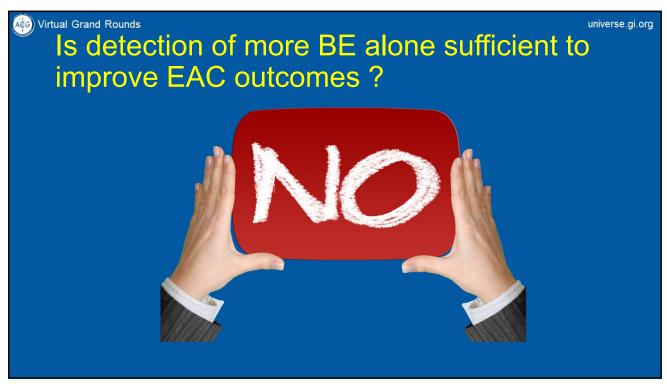
body measurements

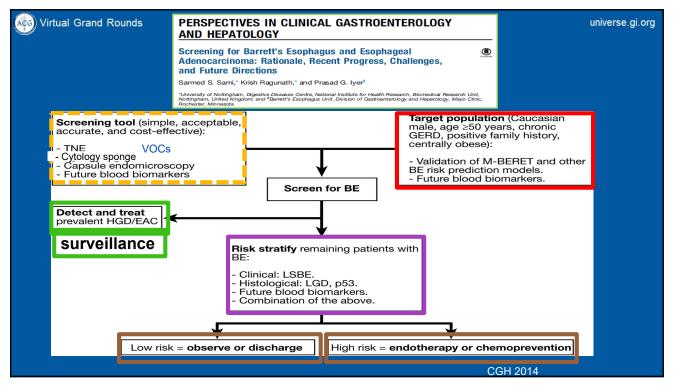














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Summary

- BE screening has the potential to improve EAC outcomes
 - Increasing detection of those at EAC risk
- Minimally invasive non-endoscopic BE detection tools substantial progress
 - Safe and accurate
 - Increase access and ? participation
 - May enter clinical realm in near future
- Identifying target population, improved dysplasia detection and risk stratification critical next steps

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