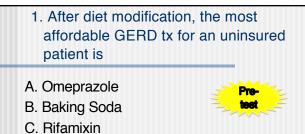
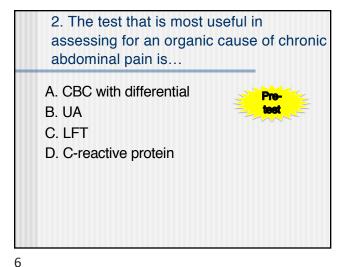


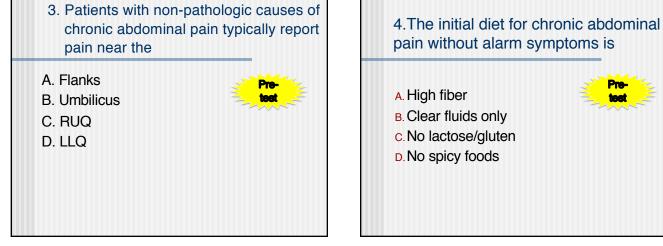
autoimmune diseases, IBS/IBD, etc.



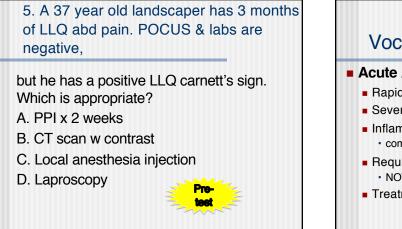
D. NOTES fundoplication

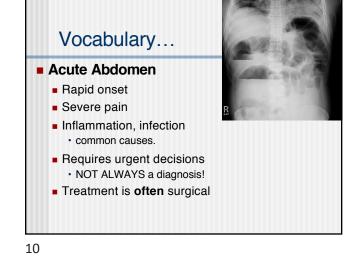


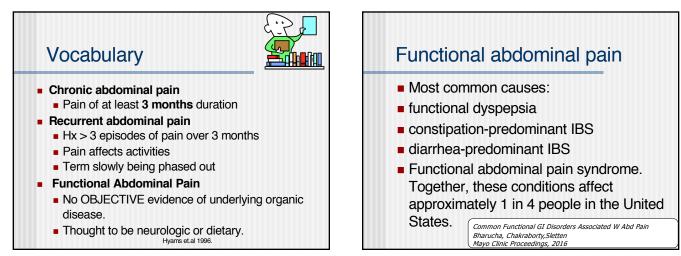
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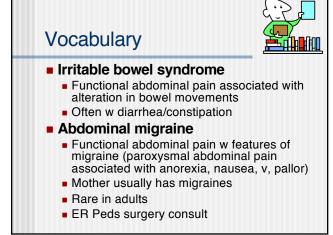
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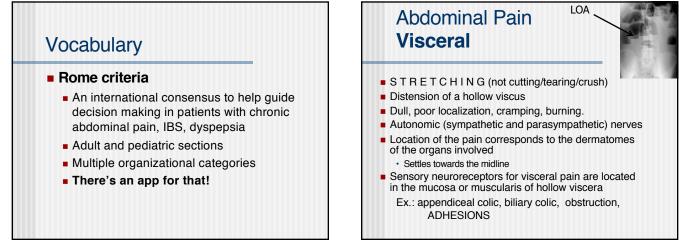










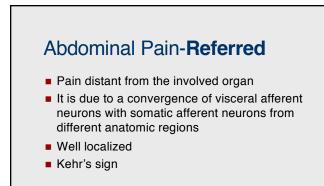


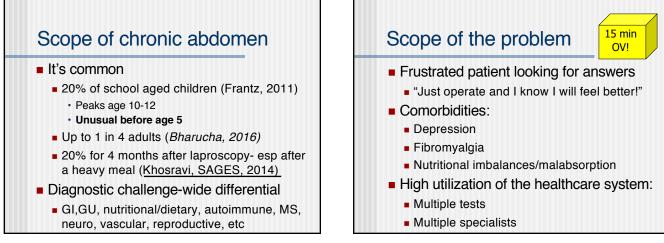
## Abdominal Pain **Somatic**



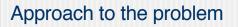
- RARE in chronic abdominal pain
- The parietal peritoneum has ONLY somatic innervation
- Somatic pain is more intense and very well localized
- Somatic innervation is mediated by the spinal nerves
- A transition from visceral to somatic pain indicates extension of the underlying process
  - Laproscopy: Chronic pain which localizes to one area.

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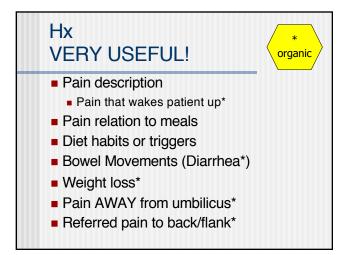


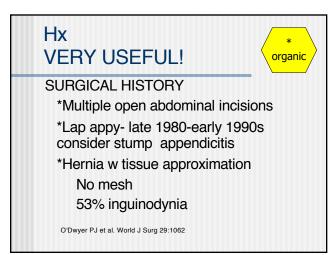


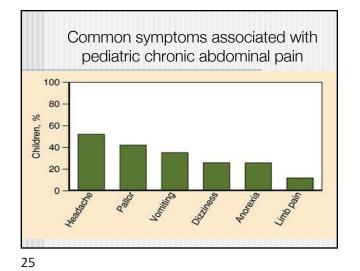




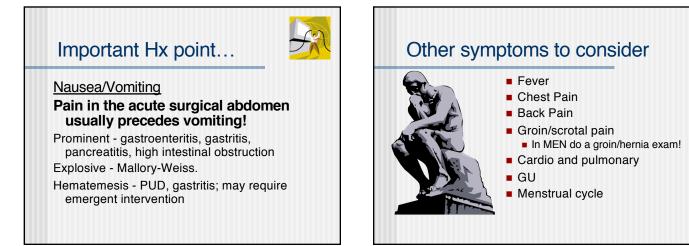
- In a 15 minute consult:
   \*Does she need an operation?
   Therapeutic vs. explorative
- Any alarm signs?
- Hx and PE will lead to further diagnostic testing or trials
- Organic vs. functional
- Often takes multiple visits to figure out!

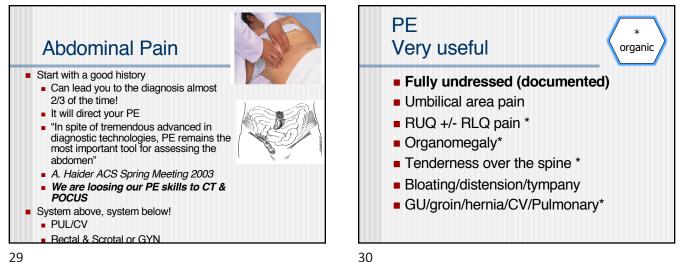


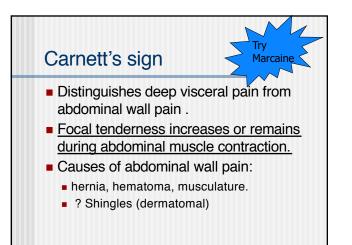


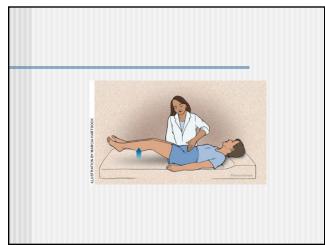


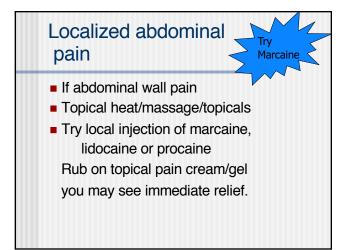
Symptoms	Total (n = 853)	Functional (n = 751)	Organic (n = 102)	P value*	
None	509 (60)	479 (64)	30 (29)	<.001	
Positive family history of IBD/celiac disease/FMF	107 (13)	92 (12)	15 (15)	.482	
Chronic diarrhea	79 (9)	46 (6)	33 (32)	<.001	
GI blood loss	71 (8)	35 (5)	36 (35)	<.001	
Weight loss	66 (8)	48 (6)	18 (18)	<.001	
Recurrent vomiting	45 (5)	35 (5)	10 (10)	.029	
Pain right upper/lower region	27 (3)	23 (3)	4 (4)	.642	
Joint pain	25 (3)	19 (3)	6 (6)	.106	
Aphthous ulcer	22 (3)	17 (2)	5 (5)	.115	
Fever	15 (2)	14 (2)	1 (1)	.524	
Perianal complications	15 (2)	9 (1)	6 (6)	.001	
Unexplained fever	14 (2)	12 (2)	2 (2)	.787	
Impaired growth	10 (1)	6 (1)	4 (4)	.023	
Erythema nodosum	4 (1)	2 ()	1 (1)	.400	
Hepatosplenomegaly	3 ()	2 ()	1 (1)	.318	
Uveitis	1 ()	1 ()	-	0.004	
Icterus	-	-	-	- 1	

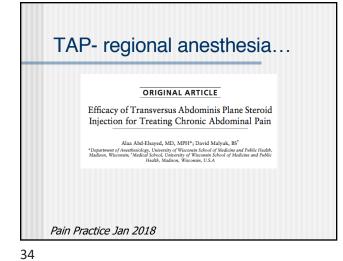


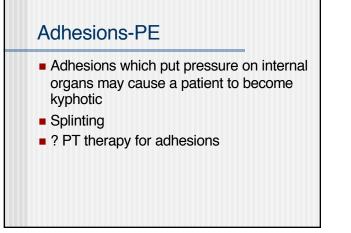


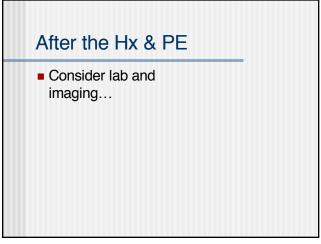


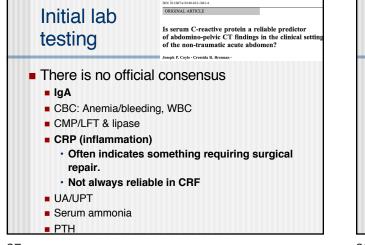


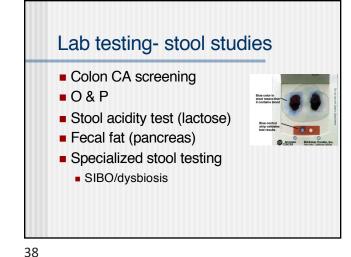


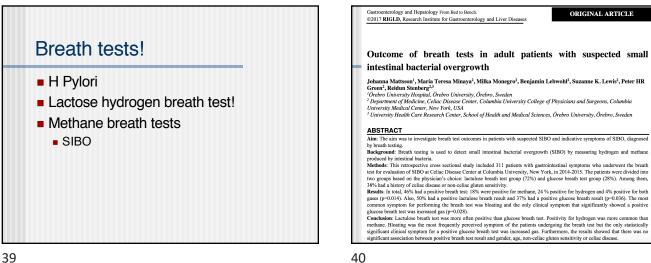










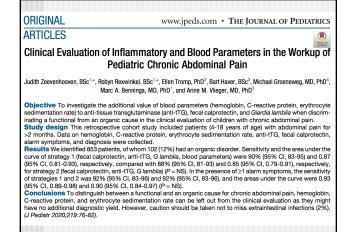


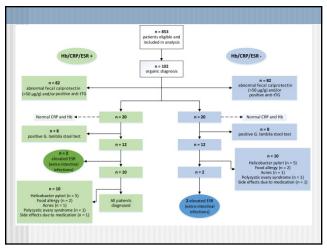
ORIGINAL ARTICLE

Outcome of breath tests in adult patients with suspected small intestinal bacterial overgrowth

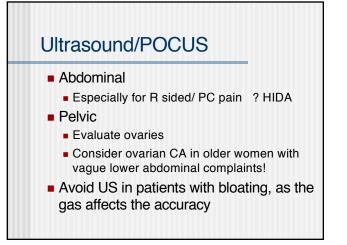
Johanna Mattsson<sup>1</sup>, Maria Teresa Minaya<sup>2</sup>, Milka Monegro<sup>2</sup>, Benjamin Lebwohl<sup>2</sup>, Suzanne K. Lewis<sup>2</sup>, Peter HR Green<sup>1</sup>, Reidun Stenberg<sup>23</sup> <sup>1</sup>Orberto University Hospital, Orebro University, Örebro, Sweden <sup>2</sup>Department of Medicine, Celiac Disease Center, Columbia University College of Physicians and Surgeons, Columbia University Medica Center, Nev York, USA <sup>3</sup> University Health Care Research Center, School of Health and Medical Sciences, Örebro University, Örebro, Sweden

Concession: Leacues of earl set was more roomer postner using globox retarn east. Prositivity of reputinged was have committed using methane. Bloading was the most frequently preceived groups more than a set of the benefit test but here the using statistical significant clinical symptom for a positive globax benefit benefit to a set of the set of t





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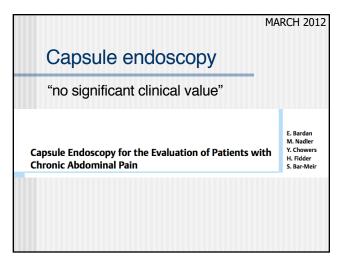


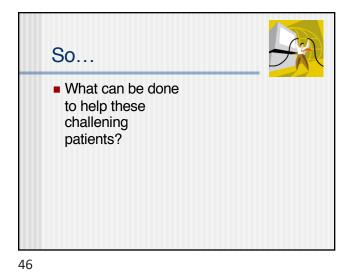
#### CT Scanning helps! Abdominopelvic CT Increases Diagnostic Certainty and Guides Management Decisions: A Prospective Investigation of 584 Patients in a Large Academic

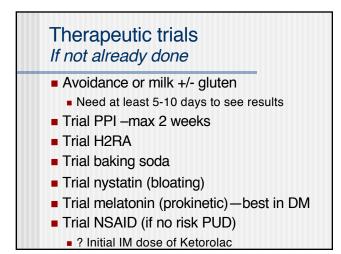
**Medical Center** 

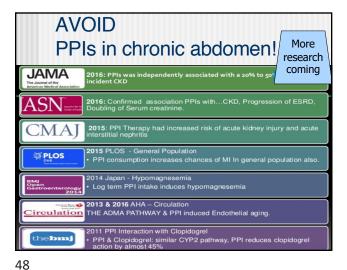
**OBJECTIVE.** The objective of our study was to prospectively determine how CT affects physicians' diagnostic certainty and management decisions in the setting of patients with nontramatic abdominal complaints presenting to the emergency department. SUBJECT ADIM DETLODE Wai include 504 andiate researching with nontraumatic

AJR 2011





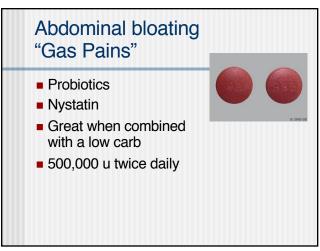




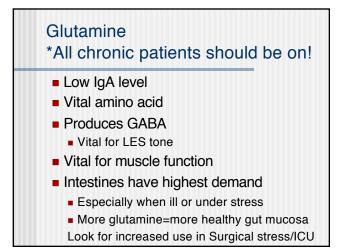
# Diet modifications help with Dx

- Rotate out potential offending foods:
  - Lactose
  - Gluten
  - Spices

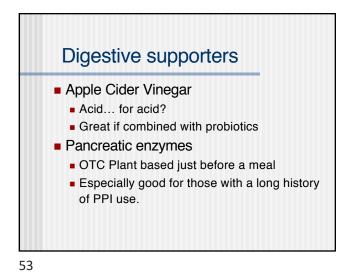
49



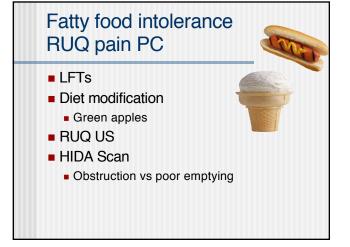
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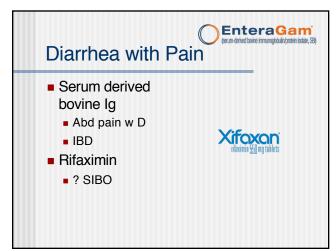








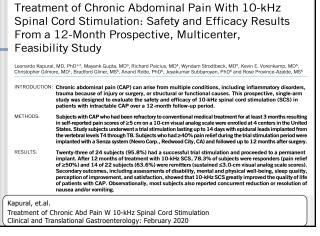


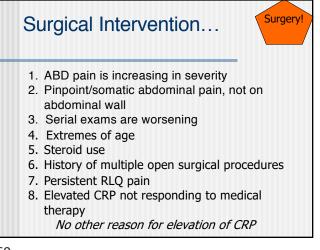




### **Probiotics**

- Consider home stool studies
   Many commercial kits available
- Many different varieties
- Be sure to treat entire GI tract
  - Oral coverage
  - Delay release
- Especially important for those on PPIs, recent antibiotics, diarrhea, etc





### Surgical Intervention Most common findings

-Adhesions -GB/Biliary tree -Chronic appendicitis -Ovarian Cyst



Surgery!

Laparoscopic findings	Ν	%
Abnormal appendix	15	30.0
Abdominal tuberculosis	12	24.0
Adhesions	5	10.0
Pelvic inflammatory disease	3	6.0
Mesenteric lymphadenopathy	2	4.0
Ovarian cyst	2	4.0
Cholecystitis	2	4.0
Femoral hernia	2	4.0
Diverticulosis (mekels)	1	2.0
Normal study	6	12.0
Total	50	100

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HOT TOPIC Adhesiolysis
In patients with chronic abdomen and + surgical history, we like to look for adhesions!!
Lancet, April 2013
Laproscopic adhesiolysis DID relieve

chronic abdominal pain, but was not found to be more beneficial than just exploratory laproscopy!

Psychologic benefit



