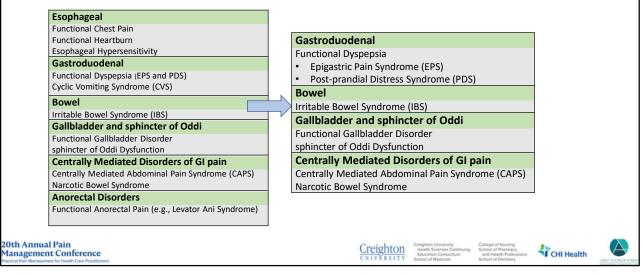
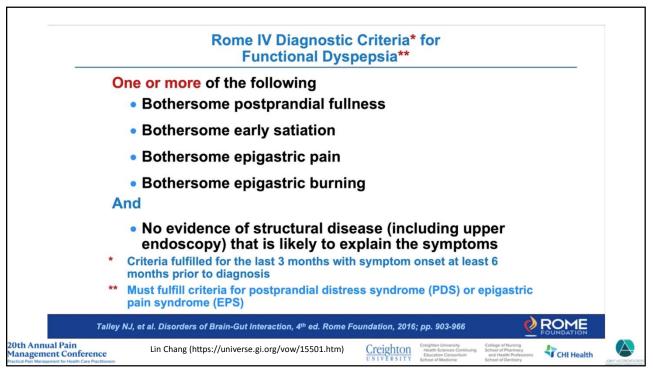
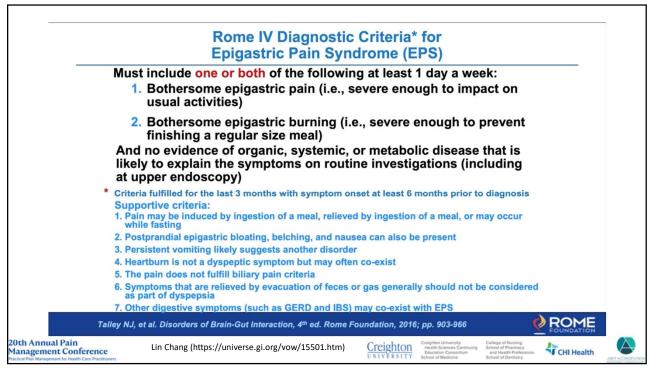
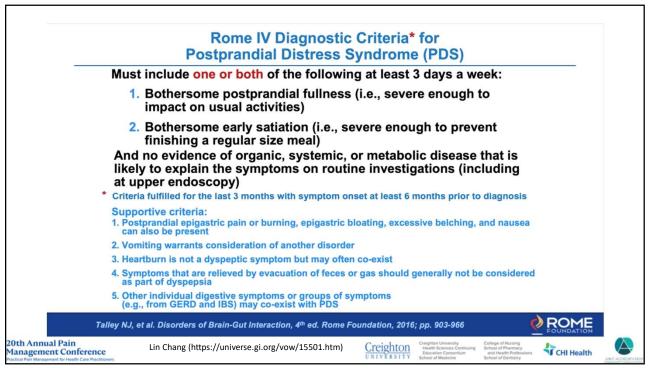


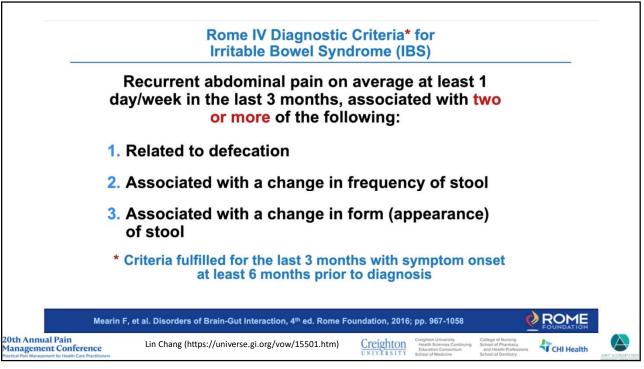
## Disorders of Gut-Brain Interactions (Functional GI disorders)



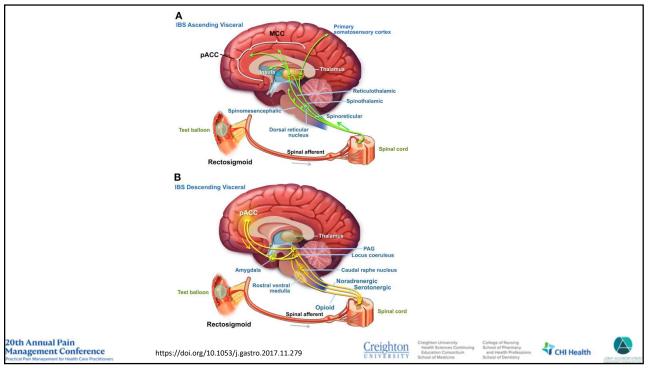


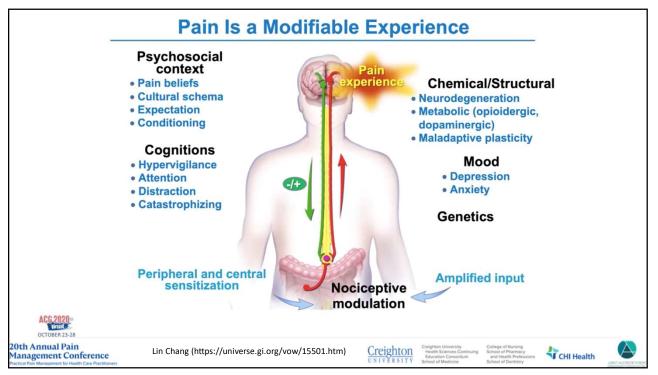


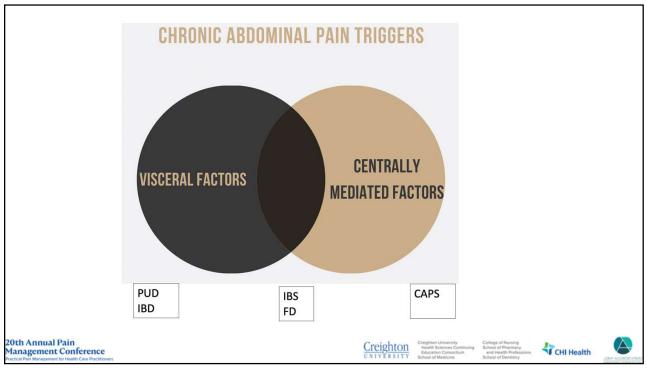


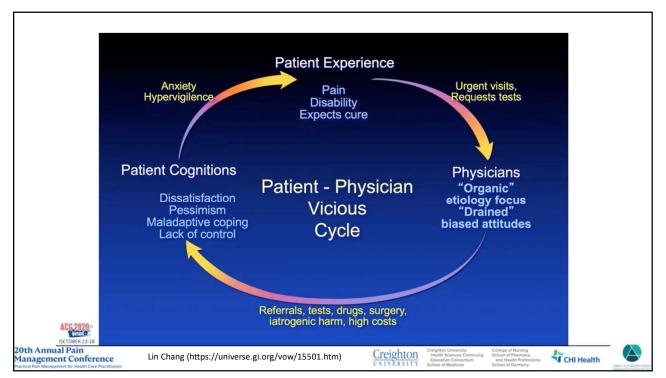


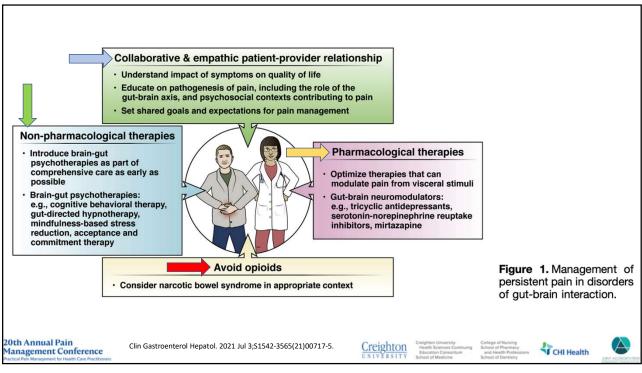






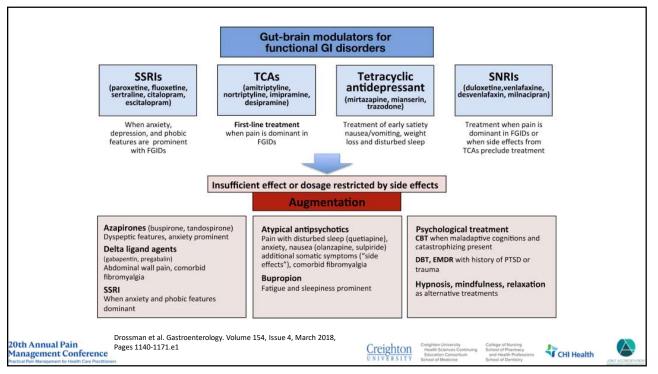






Indication	Medication	Mechanism of action	Recommendation AGA/ACG	Quality of evidence AGA/ACG	Abdominal Pain Relief	Specific considerations
IBS-D	Alosetron	5-HT4 receptor secretagogue	Conditional/Weak	Moderate/Low	Yes	Risk of sever constipation and IC (FDA risk mitigation strategy).
	Eluxadoline	Mixed opioid receptor antagonist	Strong/Weak	Moderate	Yes	Contraindicated: SOD, CCY, EtOH, pancreatitis, severe liver impairment
	Rifaximin	Non-adsorbable Abx	Conditional/Weak	Moderate	Yes	
IBS-C	Linaclotide	GC-C receptor agonist	Strong	High	Yes	
	Plecanatide	GC-C receptor agonist	Strong	Moderate	Yes	
	Lubiprostone	Type 2 CL channel agonist	Conditional/Strong	Moderate	Yes	
	Tenapanor	NHE3→Ph			Yes	Not available yet in the US
	Tegaserod	5-HT4 receptor secretagogue			Yes	Women <65 with no CVS risk factors
	PEG-3350		Conditional	Low	No	
IBS-All	Antispasmodic		Conditional/Weak	Low	Yes	
	Peppermint Oil		Conditional/Weak	Low	Yes	
	TCA		Conditional/Strong	Low/High	Yes	
FD	PPI		Strong	Moderate	Yes	
	Prokinetics		Conditional	Very Low	Yes	

	Starting dose	Dose titration	Common side effects		
ricyclic antidepressants <sup>a</sup> (eg, amitriptyline or nortriptyline)	10 mg at night	By 10 mg/wk or 10 mg/fortnight according to response to treatment and tolerability to a maximum of 30–50 mg at night	Sedation, dry eyes, dry mouth, constipation		
Serotonin- norepinephrine reuptake inhibitors (eg, duloxetine)	30 mg once daily	According to response to treatment and tolerability to a maximum of 60 mg once daily	Sedation, dry mouth, constipati or diarrhea, anxiety, reduced appetite, nausea, headache, fatigue		
<i>lirtazapine</i>	15 mg once daily	According to response to treatment and tolerability to a maximum of 45 mg once daily	Sleep disorders, constipation or diarrhea, anxiety, increased appetite and weight gain, nausea, headache, fatigue		
Secondary amines include desiprami	ine and nortriptyline; tertiary amine	s include amitriptyline and imipramine. Second			



Treatment	IBS	Functional Dyspepsia	Other FGID
Tricyclics (TCAs)	+	+	Non-cardiac chest pain Functional heartburn
SSRI	±	No effect	NCCP Functional heartburn
SNRI	+?	No effect (venlafaxine) ? Other SNRI	NCCP
Delta ligand agents	+	+	
Azapirone	+	+	
Atypical antipsychotics	+	+	
Ford et al. Am J Gastroenterol 2018;11 Chang, Sultan, Lembo. Gastroenterolo Drossman DA et al. Gastroenterology	gy 2014;147:1149-1172		Pharmacol Ther. 2019;49:389–397 Dptions Neurol (2019) 21: 18





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