



Fiber for IBS: Meta-analysis

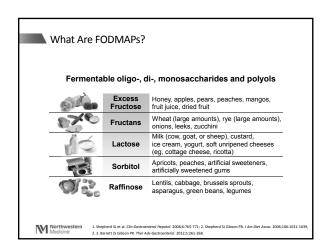
- · 12 studies, 591 patients
- · 2 studies recruited IBS-C only
- 7/12 studies had a Jadad score ≥4

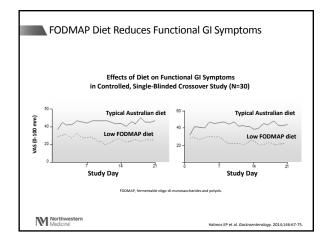
Improvement: Fiber (%)	Improvement: Placebo (%)	RR symptoms remain (95% CI)
48	43	0.87 (0.76-1.00) P=.05

- No significant heterogeneity and no funnel-plot asymmetry
- No significant effect of fiber (RR=0.90; 95% $\rm Cl=0.75-1.08$) seen when only the 7 good-quality trials were evaluated

Northwestern Medicine

Ford AC et al. BMJ. 2008;337:1388-92

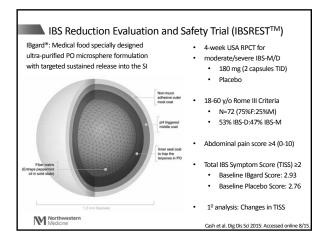


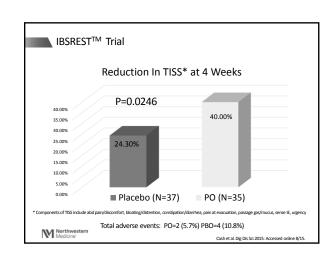


Peppermint Oil (PO)

- Peppermint oil: 10 active component L-menthol
- Anti-spasmodic, inflammatory, 5-HT₃, bacterial properties
- Approved as 1st-line therapy for IBS by European Medicine Agencies (EMA)
- Recent Meta-Analysis:
 - Reduces global IBS symptoms and abdominal pain
- More effective than anti-spasmodics, TCAs, fiber
- NNT 2-3
- Associated with increased adverse events (heartburn, abdominal pain, anal burning)
- Potential benefit if side-effects can be minimized/mitigated

Northwestern Medicine Khanna et al. J Clin Gastroenterol;48(6):505-512; Enck et al. Eur J Gastroenterol Hepatol 2010;22:1402-1411 Ford et al. Am J Gastroenterol 2014;109:52-26





Psychological Therapies Improve IBS Symptoms Psychosocial therapies have been shown to be effective in improving IBS symptoms Cognitive behavioral therapy (CBT) Hypnotherapy Multi-component psychological therapy administered by phone Dynamic psychotherapy Use limited by lack of available skilled therapists in managing IBS

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Program

Northwestern GI Behavioral Health

Drs. Sarah Kinsinger and Quinton

Ford AC et al. Am J Gastroenterol. 2014;109(Suppl 1):S2-S2I

Summary

- \bullet IBS is a common disorder affecting 10-14% of the international population
- Pathogenesis heterogeneous
- Diagnostics minimized
- IBS-D: CRP, Fecal Calprotectin, Celiac serologies, colonoscopy for alarm signs/symptoms
 hionsies
- IBS-C: Colonoscopy for alarm signs/symptoms
- Treatments based on subtype but no specific algorithms
- Prognostic data lacking or poor
- $-\:$ Decision based on personal biases $\xrightarrow{}\:$ Pharmaceutical versus "Natural/CAM"
- Key to allow patient to participate in the process→Improved outcomes

