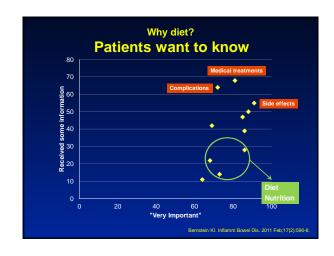
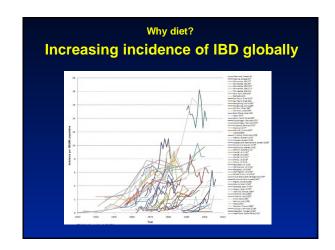
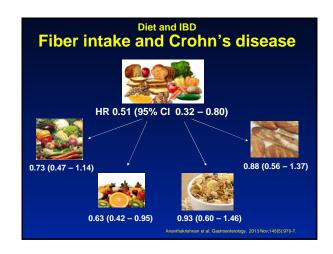


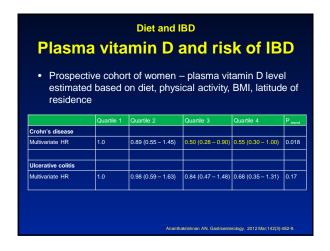
# Diet and IBD Objectives Identify why diet may be important in disease pathogenesis Recognize dietary triggers of disease onset and relapse in IBD Understand the role of dietary interventions in the management of Crohn's disease and ulcerative colitis

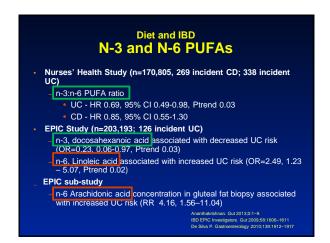


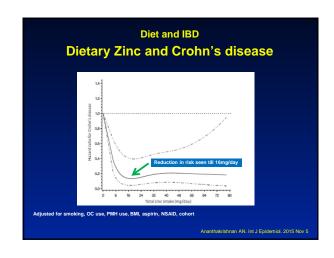


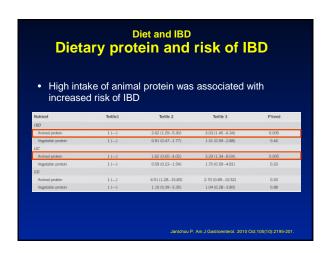


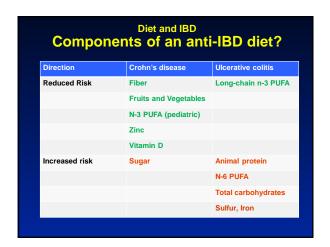




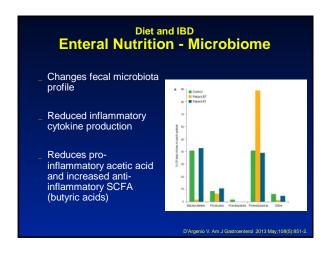


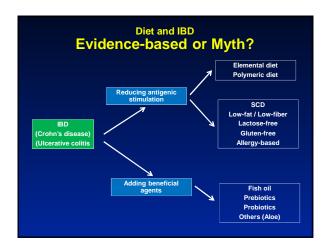


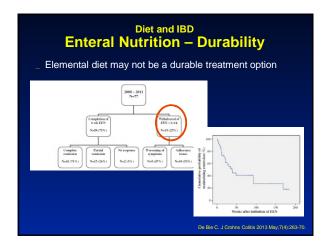


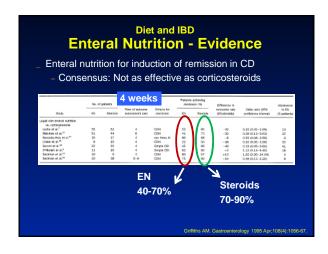


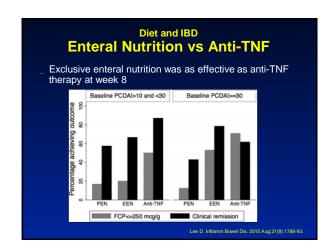






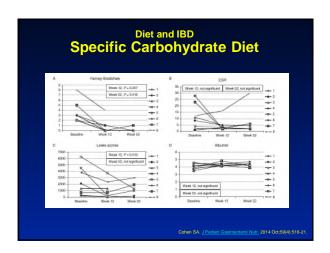






## Diet and IBD Specific Carbohydrate Diet

- Originally developed by Sidney Hass as a treatment for celiac disease
- Exclude complex carbohydrates from the diet
- Interest in IBD began after anecdotal report of improvement in a case of UC (Elaine Gottschall) → "Breaking the vicious cycle"



### Diet and IBD Specific Carbohydrate Diet

- Exclude: All grains, starchy tubers, bread and starchy foods, canned and processed meats, canned vegetables, lactose containing foods including milk
- <u>Include</u>: Unprocessed meats, fish, some legumes (lentils, split peas), fresh or frozen raw or cooked vegetables and fruits, honey

### Diet and IBD Paleo Diet

- Introduced in 1975
- "The human gut is poorly evolved to handle diet from modern agricultural methods" → hence modern diseases
- Emphasis: Lean, non-domesticated meats, non-cereal plant-based foods (Fruits, roots, legumes, nuts)
- Low n-6:n-3 ratio (2:1)
- Approximately 30-35% of caloric intake from lean protein
- High fiber intake: 45-100g/day
- Avoid all dairy (monitor for vitamin D deficiency)

No evidence of benefit in IBD

Hou IK Clin Gostroenterol Henotol 2013 Oct 6

# Diet and IBD Specific Carbohydrate Diet

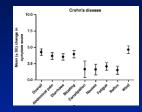
Nutritional Therapy in Pediatric Crohn Disease: The Specific Carbohydrate Diet

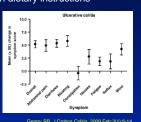
- Seven children treated with SCD
- Duration of therapy 5-30 months
- All had resolution of symptom within 3 months
- Improvement of fecal calprotectin in 4 patients

Suskind DL. J Pediatr Gastroenterol Nutr 2014 Jan;58(1):87-91

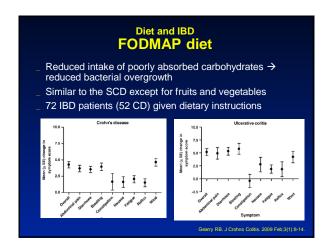
# Diet and IBD FODMAP diet Reduced intake of poorly absorbed car

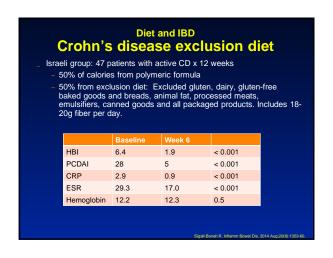
- Reduced intake of poorly absorbed carbohydrates  $\rightarrow$  reduced bacterial overgrowth
- Similar to the SCD except for fruits and vegetables
- 72 IBD patients (52 CD) given dietary instructions

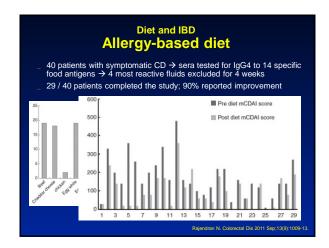


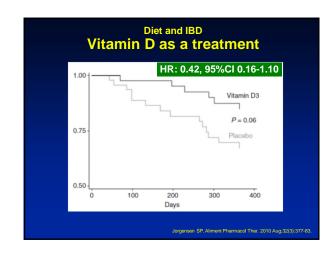


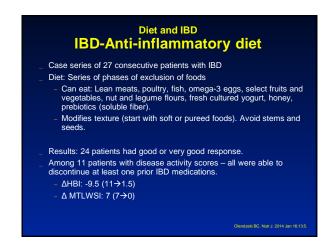
Gearry RB. J Crohns Colitis. 2009 Feb;3(1):8-14.











Diet and IBD  Summary of evidence			
Diet	Improves symptoms (case series)	Improves inflammation (case series)	RCT evidence of efficacy
Elemental Diet		+	+
SCD	+	+	No
Gluten free diet	+	No	No
FODMAP diet	+	No	No
Paleo diet	No	No	
Vitamin D		?+	?+
n3 PUFA	? +	?+	? -
CD exclusion diet	+	+	No
IBD-AID	+	No	No



### Diet and IBD Summary

- Diet plays a role in disease pathogenesis and relapse but influences appear heterogeneous
- Limited data on efficacy of dietary changes are primary therapy for induction or maintenance of remission
- \_ Stay tuned!

