Nutrition and PSC

By Cami Tynan, MS, RD, CNSC





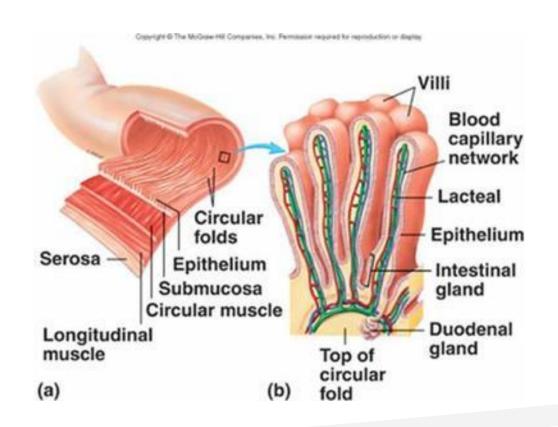
We will discuss:

- The role of fat, carbohydrates, and protein in PSC
- Potential vitamin deficiencies
- Individualize your diet
- Fighting fatigue
- After transplantation.....
- Your questions!



What can I absorb?

- Status of your liver disease
- IBD involvement
- Food intolerances





- Requires bile to breakdown
- Quantity trumps quality
 - Lower fat diet
 - Still strive for less saturated forms
 - Stress more olive oil and omega-3 fatty acids
 - Saturated fat is inflammatory







- Eat a "normal" protein diet (~1 g of protein per kilogram)
 - Generally ~55-70 g for women and ~75-90 g for men
 - One kilogram=2.2 pounds
- This can vary with inflammatory state, corticosteroid use, and liver disease
- The sicker you are the more important protein intake is to sustain muscle.



Carbohydrates

- Should make up 40-60% of your calories
- Many vegetables, fruits, legumes, and dairy foods are carbs
- Stretch your horizon
- Tolerance will vary
 - IBD may influence this
 - Co-existing disease (ie. celiac disease)
 - Fructose and concentrated sugars are more inflammatory





Should I take vitamins? Always ask your MD!

- Chronic inflammation or gastric losses
 - Anemia-VitB₁₂, folic acid, iron
 - zinc
- Progressive liver disease and bile duct stricturing
 - Fat soluble vitamins: A, E, D, K
- Diuretic use
 - Potassium, calcium, magnesium, thiamine
- Corticosteroid
 - Calcium and vitamin D





Can diet help fight fatigue?

- Support the energy your body is able to produce
- Don't skip meals
- Include snacks
- Eat "balanced"
- Stay hydrated
- Remove unnecessary substances
- Get help when you need it!



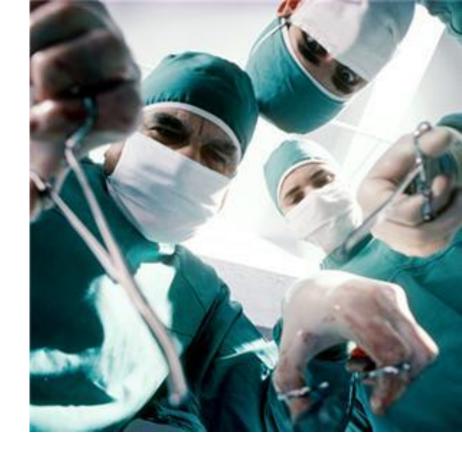


Are supplements safe?

- Avoid supplement blends and diet aids
- If a little is good, it doesn't mean a lot is better
- Always have them approved by your MD and pharmacist
- Generally safe
 - Probiotics
 - Omega-3 fatty acids
 - Most vitamins



- Goals for surgery
 - Stay strong and retain your muscle mass!
 - Eat frequently through the day
 - Stay as active as you are able
 - Control fluid retention
 - Low sodium diets





After Transplant

- Rehabilitate and heal first
- Long-term nutritional complications due to medications
 - High cholesterol and triglycerides
 - Hypertension
 - Diabetes
 - Osteoporosis
 - Unwanted weight gain
 - Food-drug interactions



Questions??





Resources

Herbal Supplement Safety

- http://nccam.nih.gov/health/herbsataglance.htm
- https://fnic.nal.usda.gov/dietary-supplements/herbal-information
- http://www.ibsgroup.org/brochures/fodmap-intolerances.pdf