Diet in Chronic Medical Problems

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Objectives

- Understand the impact of diet in chronic illnesses and overall health.
- Learn about diet as adjunct therapy.
- Learn to incorporate diet as part of your care plan.

Pre-Test Question

1) There is no positive correlation between diet and health.

True

False

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Pre-Test Question 2) Which of the following diets is best for patients for PCOS? A. DASH B. Mediterranean C. Paleo D. Keto **Pre-Test Question** 3) Which of the following diets is not beneficial in patients with inflammatory diseases? A. Paleo B. Keto C. Vegetarian/Vegan D. High Protein Diet/ Low Carb Nutrition and Health • According to the 2015-2020 Dietary Guidelines report: • 50% of American adults have one ore more preventable chronic diseases. Many that are related to poor quality eating patterns and physical inactivity. • 2/3 of adults and nearly 1/3 of children and youth are

overweight and obese.

Hyperlipidema

- · Paleo diet:
- · Decreased LDL
- · Decreased Triglycerides
- · Increased HDL
- · Mediterranean diet
 - · Small decrease in LDL
 - · No effect in Trialvcerides
 - Decreased HDI

Hyperlipidema

- · Low Fat Diet
- · Decreases LDL, total cholesterol and TG.
- Portfolio Diet
- Decreases LDL and TG and does not impact HDL.
- Ideal for patients with mildly elevated cholesterol or patients who cannot take statins.
- · High Protein/Low Carb Diet
 - · Decreases TG, Increases HDL, Increases LDL size(Vegetarian Diet)

Diabetes

- Fasting/ KETO
 - Forces body to rely on Fats as energy source
 - · Decreases insulin insensitivity
- High Protein/Low Carb Diet/Paleo
 - decrease FBG, decreases post-prandial insulin,

Hypertension

- DASH diet
 - Decreased sodium levels= decreased BP
- Paleo
 - Decreased BP
- High Protein/ Low Carb Diet
 - decreases BF

Hypothyroidism

- Vegan diet
- More scientific evidence needed.
- Croatian study published in 2017, suggest that diets high in animals fats increase levels of thyroid peroxidase antibodies (TPO-Ab0 and/or Thyroglobulin antibodies (Tg-Ab)
- · High protein diet
- Foods to avoid:
 - Millet
 - Highly processed foods
- · Protein is thermogenic
- Can help stimulate an already sluggish metabolism

Polycystic Ovarian Syndrome

- · Keto Diet/Low Carb Diet
- · PCOS patients are insulin resistant
- · Keto diet forces body to use fat stores
 - · Greater satiety
 - · Lower BMI
 - Decrease insulin resistance
 - All these may be enough to balance hormones

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Metabolic Syndrome

- Diets
 - · Low Fat
 - · High-Protein Diet/Low Carb
 - · Mediterranean Diet
- All the diets above directly impacts obesity which help decrease the risk of metabolic syndrome.

Inflammatory Diseases

- · Low Carb Diet
- Refined carbs and processed foods are inflammatory.
- Paleo Diet
 - Theory that whole grains and legumes have the highest concentrations of anti-nutrients.
- Vegan/Vegetarian
 - High animal fat diets associated with increase inflammatory antibodies

Nutritional Education

- Barriers
 - Lack of education and training in medical school and nursing programs.
 - Not enough Health Care Professional to educate patients on diet.
 - Not enough time to actually talk about diet.
 - · Little to no financial incentive.

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Nutritional Education

- Strategies to help improve nutrition education:
- Increase knowledge among all health care providers about food/nutrition and relationship with overall health.
- Contribute to efforts that will lead to health-promoting dietary changes for health-care professionals, their clients and general population.
- Intensify research on the relationship between food, nutrition, and health and use this to promote consumption of healthful diet.
- https://www.ncbi.nlm.nih.gov/books/NBK235263

Post-Test Question

1) There is no positive correlation between diet and health.

True

False

Post-Test Question

- 2) Which of the following diets is best for patients for PCOS?
 - A. DASH
 - B. Mediterranean
 - C. Paleo
 - D. Keto

Post-Test Question	
3) Which of the following diets is not beneficial in patients with inflammatory diseases?	
A. Paleo	
B. Keto	
C. Vegetarian/Vegan	
D. High Protein Diet/ Low Carb	
Questions??	