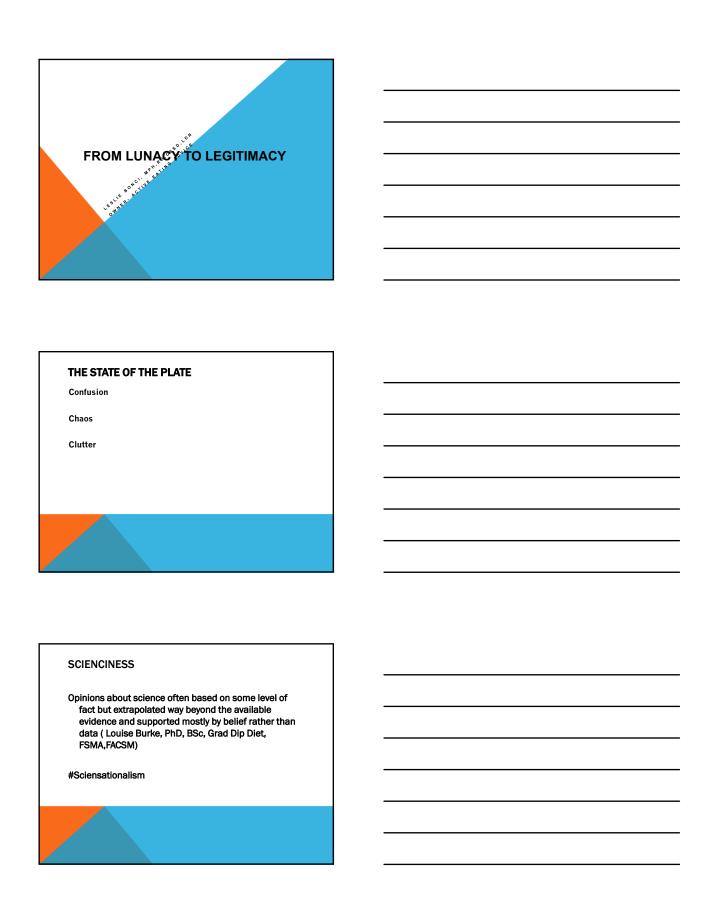
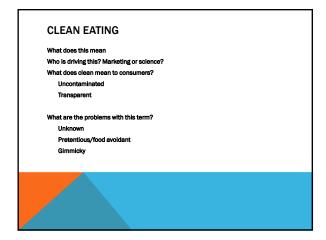
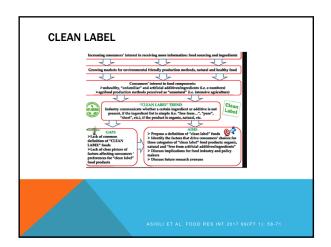
"From Lunacy to Legitimacy – Health Claims vs. Hype" Leslie J. Bonci, MPH, RD



"From Lunacy to Legitimacy – Health Claims vs. Hype" Leslie J. Bonci, MPH, RD







# TRENDS Paleo Keto Vegan Macros Food halos Whole 30 Food heros (super foods) Getting nutrition info from those that don't know



### REALITY CHECK Nutrition is an imperfect science Personal research is NOT Science! As health professionals, we MUST leave our bias outside the door Feelings must be part of the food conversation Food is not universally available, accessible and affordable

"From Lunacy to Legitimacy – Health Claims vs. Hype" Leslie J. Bonci, MPH, RD

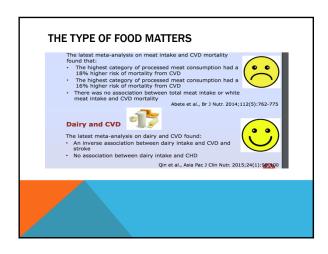
#### PROCESSED A process- not just the food: boiling, freezing, cooking Processing decreases the risks of foodborne illnesses More benzoate in cranberries than food! Holes in Swiss cheese made from propionic acid! "Bad" connotation: foods in a box, can or jar Acceptable: Protein shakes, bars, Paleo frozen meals

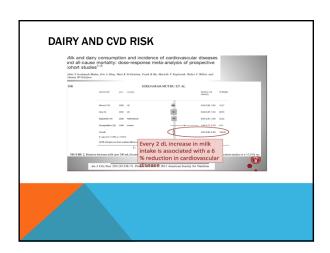
#### GLUTEN GF ONLY for those with celiac disease or gluten sensitivity Gluten containing foods provide protein, fiber, vitamins/minerals- many GF foods ≠nutritionally GF≠ a diet for weight loss In some cases, gluten-less rather than gluten free may be a better GF foods can be pricey and not always tasty

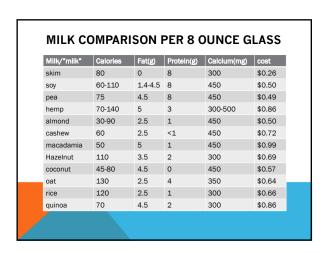
### WHAT THE SCIENCE SAYS Long term reduction in gluten may result in decreased intake of whole grains-which are associated with lower cardiovascular risk ( Lebwohl et al, BMJ 2017;357;1892) Whole grains can have a beneficial impact on the microbiome A gluten free diet can change the gut microbiome composition and alter the activity of microbial pathways (Bonder et al, Genome Medicine, 2016; 8:45)

#### DAIRY OR DAIRY FREE Protein Mineral content Lactose or casein Equivalent or expensive swap? milkadamia **BENEFITS OF DAIRY FOODS** Protein Probiotics Vitamins: A ,D, Riboflavin, B12 Convenience- ready to use **FULL FAT DAIRY** Inverse association with cardiovascular disease risk (deOliveira Otto et al AJCN 2012) Can help to lower blood pressure (Chie et al AJCN,2016) No increase in LDL cholesterol ( Raziani et al AJCN 2016) Dairy fat may reduce the risk of Type 2 diabetes (Ericson et al AJCN 2015)

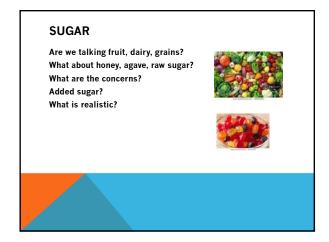
"From Lunacy to Legitimacy – Health Claims vs. Hype" Leslie J. Bonci, MPH, RD

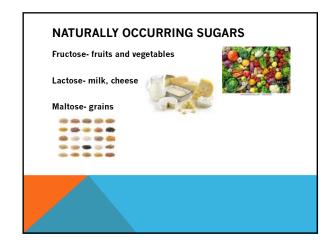






# PLANT BASED BEVERAGES-CONCERNS Protein Vitamin D Calcium Fat May be an issue for babies, toddlers and young children as well as adolescents



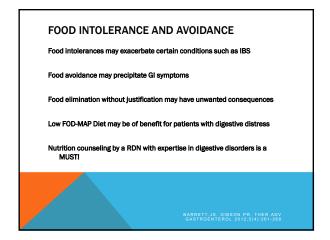


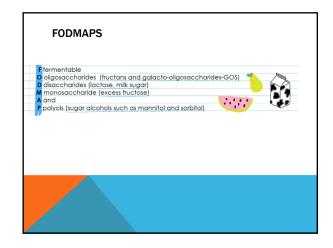


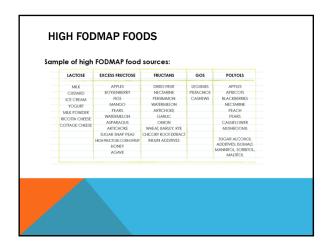


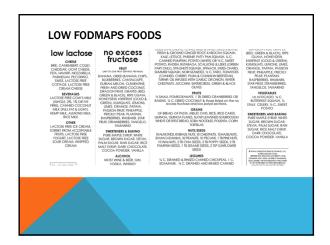
### NON NUTRITIVE SWEETENERS - Aspartame- Equal/Nutrasweet- 220x sweeter than sugar - Sucralose- Splenda- 600 x sweeter than sugar - Saccharin- Sweet n' Lo-300 x sweeter than sugar - Acesulfame-K (Sweet one, Sunette)-200 x sweeter than sugar - Luo han guo- Monkfruit (Nectresse)150-200 x sweeter than sugar - Stevia (Truvia)-200-300x sweeter than sugar - Neotame-7000-13000 x sweeter than sugar - Sugar alcohols- sorbitol, mannitol, xylitol, maltitol, erythritol, isomalt- less sweet or about the same sweetness as sugar

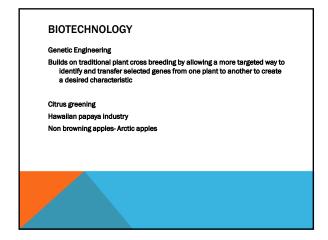
# CARBOHYDRATES Why such a bad rap? #Dontdreadthebread Let's talk phytos Source of fiber Affordability Versatility Effect of carbohydrate intake on the microbiome











#### WHY DO WE NEED GENETIC ENGINEERING? Reduced allergenicity Remove anti-nutrients or natural toxins in foods ( acrylamide and solanine in Increased nutrient availability Improved flavonoid antioxidants Improved food safety traits Improved postharvest traits to reduce food waste Drought tolerance More efficient crop uptake of fertilizer Approaches that facilitate adoption of agroecological farming techniques ARE GE CROPS SAFE? No differences have been found that implicate a higher risk to human health safety from GE foods than from non-GE counterparts. 900 studies reviewed Data covering 20 years Over 50 scientists, researchers and agricultural and industry experts Over 2 years to review WHICH US CROPS ARE GE? ANIMAL FEED/NON FOOD FOOD CROPS Sweet corn Field corn Alfalfa Summer squash Cotton Rainbow papaya Sugar Beet Soybeans Potatoes Apples

#### **LABELING OF GE CROPS** 6/2016- National Bioengineered Food Disclosure Law signed USDA Agricultural Marketing service charged to develop criteria defining which ingredients "count" as "genetically engineered" and how this will be communicated to consumers Proposed rule to be completed in 2018 **ANIMAL WELFARE** Hormones Antibiotics Cage free Those who sound the alarm have not spent much time on a farm **BIOTECHNOLOGY** Pesticides Organic vs conventional crops Media and activist portrayal vs reality GMOS We upgrade our devices but shun tech on the plate Effect on the farmer/crops/natural resources



#### **FINDING OUR WAY**

Eating is not one size fits all

Recommendations should be proactive and impactful

Goals for patients should be based on long term benefits vs short term fads

Consistency, quality and quantity our key

Provide resources to help patients navigate the nutrition maze

www.eatright.org/findadietitian

#### **CONTACT INFO**

Leslie Bonci, MPH,RD,CSSD,LDN 412-559-5974

boncilj1@gmail.com

Twitter: @lesliebonci #ActiveAdvice

Instagram: @boncilj

Facebook: Leslie Bonci

Website: www.activeeatingadvice.com