

a plant-powered prescription for inflammation

Sharon Palmer, RD editor, Environmental Nutrition

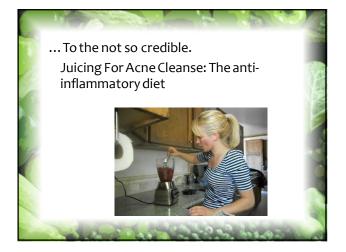
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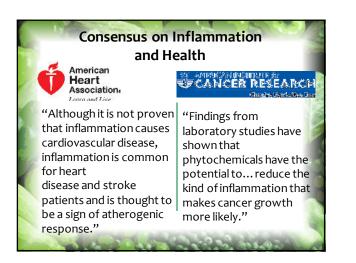


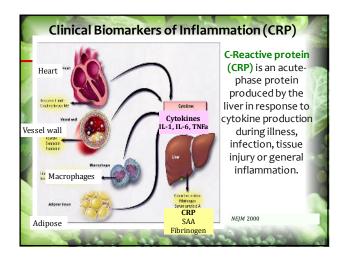




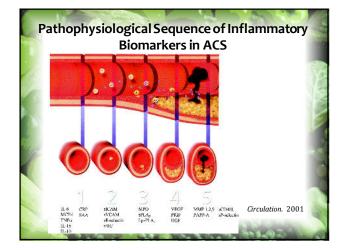


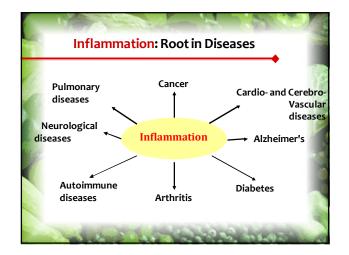


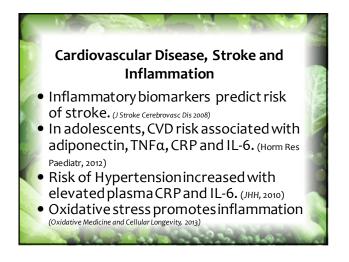




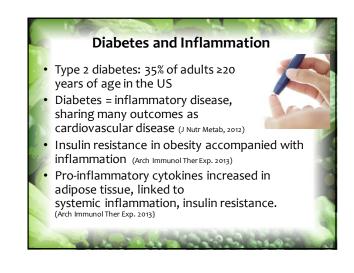






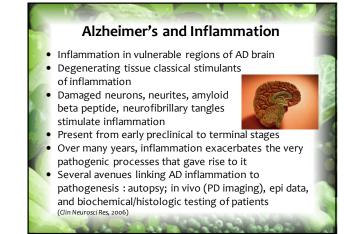


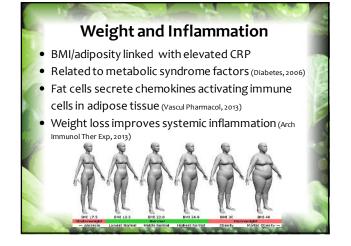




Inflammation and Cancer

- Inflammatory mediators stimulate tumor cell growth
- Tumors progress with inflammatory diseases (Adv Exp Med Biol 2014)
- "Injury-inflammation-cancer" pathway: Recurrent injuries due to genetic susceptibility, smoking, unhealthy diet, and alcohol abuse induces a pro-inflammatory milieu (Minerva Gastroenerol Dietol, 2012)



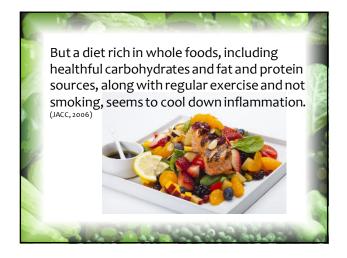


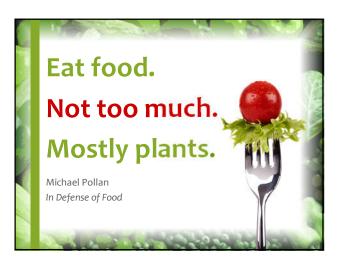
Enter Diet

Diets high in refined starches, sugars, saturated fats, and trans fats and low in fruits, vegetables, whole grains, and



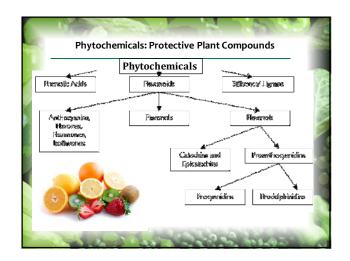
omega-3 fatty acids appear to turn on the inflammatory response. (JACC, 2006)

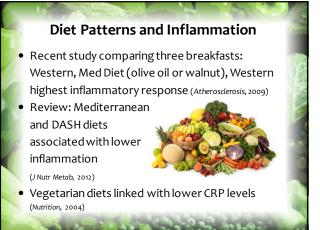


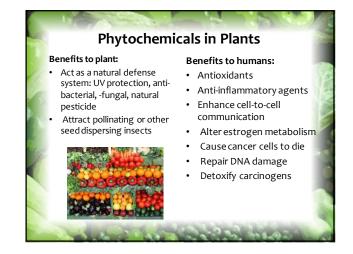




- Reducing inflammation critical to disease risk reduction
- Diet plays a significant role in reducing inflammation
- Plant foods linked with a number of health benefits; antiinflammation may be one reason



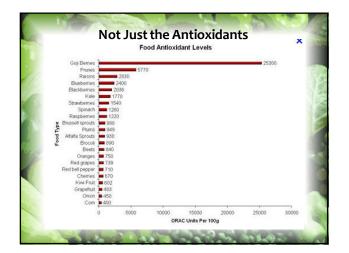


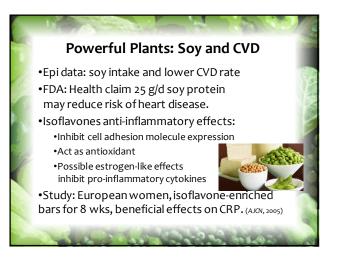


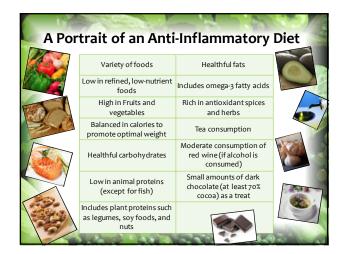


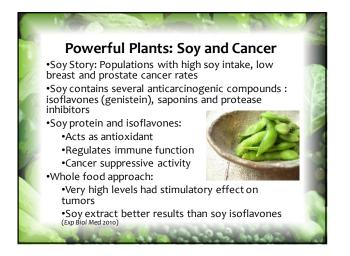


- Whole grains lower inflammation (Curr Opin Lipidol, 2007)
- Soy foods linked to lower inflammation (J Acad Nutr Diet, 2012)
- Effects seen even at one meal; Strawberry reduces inflammatory response after high-fat meal (JACN, 2010)











- inflammation i.e. legumes, berries
- Overwt men & women who ate a lowglycemic diet for 1 month reduced CRP by 22% compared to those on a high-glycemic diet (Journal of Nutrition, 2012)







health

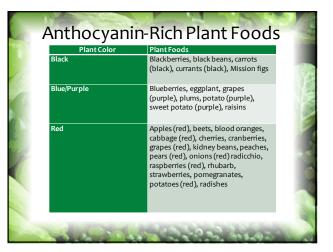


Fruits and Vegetables

- Anthocyanin-rich purple sweet potatoes appear to protect against colorectal Cancer (Molecular Nutrition 2013)
- Eating tomato products with a high-fat meal significantly reduces LDL ("bad cholesterol") oxidation and inflammatory markers in the blood (Molecular Nutrition 2013)

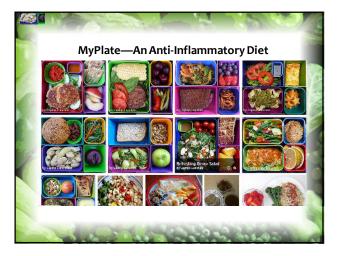








• Prebiotics i.e. garlic, onions, asparagus













Physicians should consider recommending a plantbased diet to all their patients, especially those with high blood pressure, diabetes, cardiovascular disease, or obesity."

Special Report, Nutritional Update for Physicians: Plant-Based Diets Perm J 2013 Spring;17(2):61-66

