

### Dietary Fats and Other Nutrients

**Dr. Ritamarie Loscalzo** 

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Medical Disclaimer: The information in this presentation is not intended to replace a one-on-one relationship with a qualified health care professional and is not intended as medical advice. It is intended as a sharing of knowledge and information from the research and experience of Dr. Ritamarie Loscalzo, drritamarie.com, and the experts who have contributed. We encourage you to make your own health care decisions based upon your research and in partnership with a qualified health care professional.

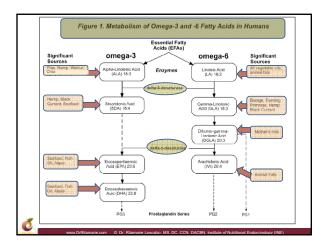
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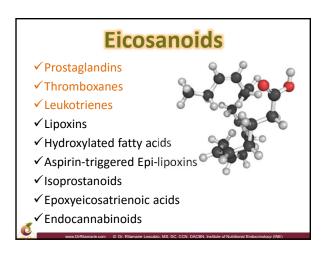
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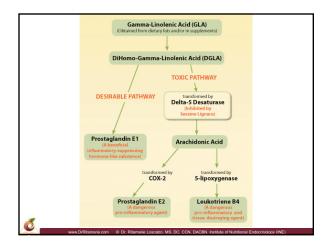
#### Health Benefits of Omega-3 Fatty Acids

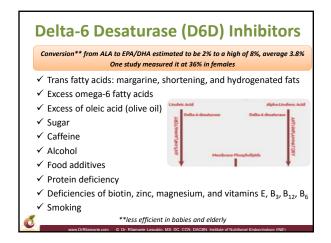
- √ Improves heart health
- √ Reduces hypertension
- ✓ Improves autoimmune diseases
- √ Reduces inflammation
- ✓ Reduces depression
- √ Improves vision
- ✓ Cancer prevention and support
- ✓ Reduces risk of osteoporosis

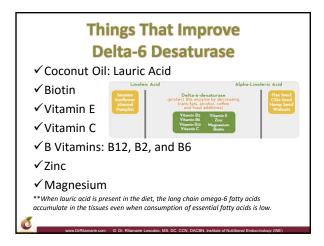




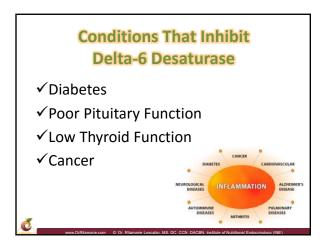


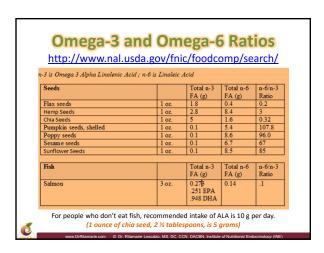


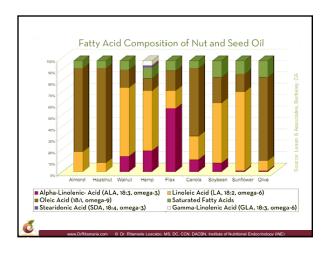




### How Much Omega-3 Do We Need? According to the Scientific Advisory Commission, you need a minimum of 0.45g long-chain fatty acids a day or 3g a week to help keep your heart in good shape. Scientific Advisory Committee on Nutrition, Committee on Toxicity Generally recommended intakes to be safe: ✓ ALA: 2.2 g per day ✓ EPA/DHA: .65 g/day, FDA American Heart Association say 800 mg if no heart disease, 2 g if heart disease risk If it takes 10 times the amount of ALA to convert to EPA/DHA (range is 3 – 50 times depending on diet and lifestyle), vegans should add an extra 6.5g ALA. Coconut improves conversion.







#### Inflammation Marker: AA/EPA Ratio

- ✓ Optimum ratios are usually between 1.5 and 3.0
- ✓ It is considered "unwell" to have a ratio above 10
- ✓ Anything exceeding 15 means a high level of inflammation in the blood
- ✓ Average American serum AA/EPA ratio is 11
- ✓ People with chronic illness and disease typically have scores above 15



Gentia a Linderic Acid (GLA)

Obtained has distay fate and/or is supplemented

TWO PATHS
THAT GLA
CAN FOLLOW
IN THE BODY

Di-Homo Gamma Lincienic Acid (IOCLA)

Transformed by
Delta-5 Desaturate

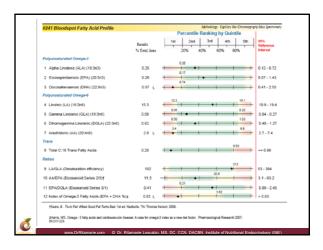
Prostaglandin E1
(An inflammatory suppressing homeon-like subdence)

Transformed by
COX-2

Prostaglandin E2
(Pre-inflammatory suppressing suppressing homeon-like subdence)

Leukotriene B4
(Pre-inflammatory suppressing s

# Interpretation Scale for Blood Spot Fatty Acid Test tinflammatory Risk Omega-3 Dominance Low Mild Moderate High AAIEPA Ratio <2.2 2.2.8.0 8.1-13.0 13.1-30.5 > 30.5 The inflammatory risk corresponds to dala published by Dr. Barry Seas based on serum specimens. The ranges on this report are based on bloossyot dual. Reference ranges have been adjusted to correlate with Sears' data. (Sears, B. The Omega Rz Zone: the miracle of the new high-dose fish oil. 1st ed. New York, NY: RegariBooks; 2002.) 1Relative Disease Risk Index\* High Intermediate Low Index of Omega-3 Fatty Acids < 0.67 0.67-1.4 > 1.4 1+barris WS, von Schacky C. The Omega -3 Index: A new risk factor for sudden cardiac death? Prev Med 2004; 39:212-20.



## GLA Sources ✓ Hemp: 2-4% ✓ Evening primrose oil: 7% ✓ Black currant seed oil: 15% ✓ Borage oil: 23%

