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THE SPECTACULAR ROLE OF THE HUMAN MICROBIOME IN PREVENTING POST-PRANDIAL OR METABOLIC ENDOTOXEMIA, THE NUMBER ONE CAUSE OF MORTALITY WORLDWIDE

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You are more bacteria than you are human with 10 trillion human cells outnumbered by over 100 trillion bacteria cells in and on your body. The human genome contributes just 1% genetic material to daily metabolic function compared to the 99% that is contributed by the microbiome. An often-overlooked role of the microbiome is to prevent post-prandial endotoxemia and the inflammatory devastation that follows. This lecture will illustrate the danger of having post-prandial endotoxemia and why this condition is being called the number one cause of mortality worldwide as it sets up the body for virtually every chronic disease. This condition is caused by eating and a failure of the microbiome to protect its host from this response. You simply cannot completely correct any chronic condition without addressing post-prandial endotoxemia.

Topic overview

1. The latest understanding on the form and function of the human microbiome
2. The development and establishment of the human microbiome and factors that disrupt optimal development.
3. How the microbiome controls the immune system, the brain, the endocrine system and nutrient production – the critical cross-talk between microbe and host.
4. Understanding post-prandial endotoxemia (PPE) and its resulting effects on the human body.
5. Strategies for probiotic therapy that can impact PPE
6. The role of transient, commensal spore based probiotics in bacteriotherapy to treat PPE

Biography

Kiran Krishnan is a Research Microbiologist and has been involved in the dietary supplement and nutrition market for the past 18 years. He comes from a strict research background having spent several years with hands-on R&D in the fields of molecular medicine and microbiology at the University of Iowa. Kiran established a Clinical Research Organization where he designed and conducted dozens of human clinical trials in human nutrition. Kiran is also a co-founder and partner in Nu Science Trading, LLC.; a nutritional technology development and research company. Kiran is also a co-founder and Chief Scientific Officer at Microbiome Labs. In his career, he has developed over 50 private label nutritional products for small to large brands in the global market. He is a frequent lecturer on the Human Microbiome at Medical and Nutrition Conferences. He conducts a very popular Microbiome Series educational Webinar, is an expert guest on National and Satellite radio, has appeared in several international documentaries and has been a guest speaker on several International Health Summits as a microbiome expert. He is currently involved in 10 novel human clinical trials on probiotics and the human microbiome. Kiran is also on the Scientific Advisory Board or a Science Advisor for 7 other companies in the industry.

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