

World Nutraceutical Conference and Expo

July 13-15, 2015 Philadelphia, USA

The concept and potential of enteric dialysis, the gut – Kidney connection

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The primary goal of this talk is to update recent scientific progress, understanding, knowledge gained and also several clinical advances made since the very first review that was published in the year 2012 (Title: Probiotics, Prebiotics and Synbiotics: Gut and Beyond in Gastroenterology Research and Practice). The use of probiotics and prebiotics is generally well recognized towards digestive, gut and immune health. However, Kibow Biotech is a R&D Biotech company involved in novel and niche application of probiotics and prebiotics as a dietary supplement in stabilization of Gut Microbiome towards Chronic Kidney Disease (CKD). Since our first review article, several other reviews have been published. These independent reviews in various scientific journals reflect various topics such as gut Microbiome, its dysbiosis, impact of the altered intestinal characteristics including small bowel bacterial overgrowth, newer uremic toxins, adsorbent drugs and several observational small scale clinical studies from us and a host of others. This talk mainly connects various aspects of scientific understanding with greater emphasis on the health economics and potentials of probiotics and prebiotics towards CKD applications both in developed and developing countries. Thus, the speaker has undertaken to revisit, review and offer his independent views in connecting the failing kidney function by the bowel. This original concept is now being more scientifically researched, commercially validated and realized as “Gut and Kidney connection”.

Biography

Natarajan Ranganathan has been a medical researcher and entrepreneur for over thirty years. He earned two master's degrees (organic chemistry and biochemistry) from the University of Poona, India and obtained a PhD in Bio-organic chemistry from Temple University, Philadelphia. He received further academic training at the University of Pennsylvania, Hahnemann Medical College, Philadelphia, and Johns Hopkins Medical Institutions, Baltimore. Natarajan Ranganathan, is the key founder and Managing Director (R&D) of Kibow Biotech Inc. located in Newtown Square, PA – USA. He has published more than 25 papers in reputed journals.

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