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Macular carotenoids current perspectives: Closing the generation gap

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The macular carotenoids (Lutein and RR Zeaxanthin isomers) plays a role in the protection of the retina against light-induced damage, protecting ocular tissue against photo-oxidative damage and acts as antioxidants. Macular carotenoids are necessary to increase macular pigment density in the retina to protect the eyes. Epidemiological and clinical data suggest that an increased intake of macular carotenoids from diet or supplements correlates with macular pigmentation, improve vision performance and a diminished risk for age-related macular degeneration. Macular carotenoids filters blue light and it has been proposed as a possible mechanism of protection in infants and adults. In this presentation, main focus will be on current perspectives of macular carotenoids, dietary gaps, how to fill the gaps and how relevant to human life cycle and how to fill the generation gap will be discussed.

Biography

Vijaya Juturu has a Doctoral degree in Clinical Nutrition (Cardiovascular Nutrition) from S.V. University in India (1996) and completed her Postdoctoral research in Cardiovascular Nutrition at Penn State University (1997-2000). She is working as a Manager, Scientific and Clinical Affairs at Omni Active Health Technologies, Inc. She worked in research and development to consumer companies for more than fifteen years. She is an adjunct faculty to teach nutrition courses, NY. She has published research papers in reputed journals, text books, monographs and CEs. She is a Reviewer and Editorial Board Member of several national and international journals. She has received awards from Indian Council of Medical Research, Indian Society of Atherosclerosis Research, Cardiology Society of India, American College of Nutrition, Academy of Nutrition and Dietetics and Tinsley Harrison Award from Southern Society of Clinical Investigators. She was honored as honorable speaker, session chair and working committee member for professional societies such as American Diabetes Association, Academy of Nutrition and Dietetics and American College of Nutrition.

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