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Health promoting activities of β -cryptoxanthin

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β -Cryptoxanthin has been shown various aspects of health promoting activities; such as prevention of metabolic syndrome, improvement of liver function, cancer prevention, prevention of osteoporosis, and so on. Cancer preventive activity of β -cryptoxanthin is one of the important aspects. Since the incidence of liver cancer is increasing in the world, it is valuable to develop an effective method for its prevention. We have conducted a clinical trial for liver cancer prevention using natural carotenoids, including β -cryptoxanthin, and other food factors. Combinational use of carotenoids and myo-inositol was found to prevent hepatocellular carcinoma development in patients with chronic viral hepatitis and cirrhosis, significantly. Although the precise mechanism of β -cryptoxanthin on health promoting activities is not known yet, anti-oxidative activity might be important. Further studies on action mechanism of β -cryptoxanthin should be continued.

Biography

Hoyoku Nishino has completed his PhD from Kyoto Prefectural University of Medicine. He is the Director of Cancer Control Center at Kyoto Prefectural University of Medicine. He has published 456 papers in the field of "Preventive Medicine".

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