



Antioxidants in Diabetes and Other Endocrine Disorders

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Message from the Guest Editors

Dear Colleagues,

Oxidative stress is widely known to cause various diseases. Non-alcoholic steatohepatitis (NASH), which progresses to liver cirrhosis via fatty liver and is associated with the development of hepatocellular carcinoma, is increasing in prevalence and has become a worldwide problem. Insulin resistance, adipocytokines, apoptosis, autoimmune disease, intestinal bacteria, and genetic polymorphism have been implicated in the pathogenesis of NASH, and oxidative stress is also thought considered to play a major role in its progression. Many functional foods with antioxidant activity have been identified, and some of them have been reported to be effective in suppressing the onset and progression of NASH. Vitamin E is a food constituent that has been shown in meta-analyses and randomized controlled trials (RCTs) to have beneficial effects on NASH. Although no meta-analyses or RCTs demonstrating efficacy have been reported, foods and ingredients that can be expected to inhibit the progression of NASH via antioxidant activity include n-3 fatty acids, curcumin, sulforaphane, mushrooms, resveratrol, sake lees and activated charcoal.





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Message from the Editor-in-Chief

It has been recognized in medical sciences that in order to prevent adverse effects of "oxidative stress" a balance exists between prooxidants and antioxidants in living systems. Imbalances are found in a variety of diseases and chronic health situations. Our journal *Antioxidants* serves as an authoritative source of information on current topics of research in the area of oxidative stress and antioxidant defense systems. The future is bright for antioxidant research and since 2012, *Antioxidants* has become a key forum for researchers to bring their findings to the forefront.

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