



Antioxidant Defence in Type 2 Diabetes

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Message from the Guest Editors

An established and strong experimental evidence base exists for a role of oxidative stress in key target tissues in the onset of diabetes and the development of its complications. However, clinical data concerning the effect of antioxidant therapy in preventing micro- and macrovascular disease is conflicting in general but also compelling in some selected, sub-groups of patients with type 2 diabetes.

The current COVID-19 pandemic has revealed that the higher risk of severe disease occurs in certain patient groups. These include those with type 2 diabetes, who are overweight, are of non-Caucasian heritage or from deprived socio-economic backgrounds. A hypothesis is emerging that in groups characterized as having higher insulin-resistance, severe disease is linked to an over-exuberance or deficiency of antioxidant defence. It is an aim of future research that modulation of host antioxidant pathways will help in the development of targeted treatment for diabetic vasculopathy.





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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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