Special Issue

Redox Modulation of Respiratory Muscles in Health and Disease

Message from the Guest Editors

Redox disturbance is a common feature of respiratory disorders such as obstructive sleep apnoea and chronic obstructive pulmonary disorder. Perturbed redox signalling as a result of increased reactive oxygen species production or decreased endogenous antioxidant capacity can lead to adaptive and maladaptive changes in cellular function. In the context of respiratory muscle, redox imbalance can disrupt cellular homeostasis, culminating in diminished respiratory muscle force-generating capacity and decreased resistance to fatigue. Strategies aimed at promoting redox balance in respiratory muscles are attractive as adjunctive therapies for respiratory disease. This Special Issue welcomes original research articles and literature reviews concerning respiratory muscle redox modulation and novel approaches aimed at targeting redox imbalance across the spectrum of health and disease.

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About the Journal

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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