



Oxidative Medicine and Cellular Longevity

Special Issue on **Oxidative Stress and Diseases: Clinical Trials and Approaches**

CALL FOR PAPERS

Due to the fact that oxidative stress may play important roles in human disease development, great many basic and experimental studies have been conducted to clarify the mechanisms that regulate the imbalance between prooxidant and antioxidant systems. Knowledge and understanding of these mechanisms have led to the development of clinical trials and approaches, which have resulted in successful diagnosis and therapies, as well as novel tools to characterize these clinical mechanisms and provide better care to patients.

As to evidence-based clinical applications in humans, significant progress is expected in future medicine. Identifying oxidative stress markers in humans is important, as well as developing strong tools in health promotion and disease prevention for outpatient clinics, bedside monitoring, and home medical care.

In this special issue, we are particularly interested in articles describing new modalities for clinical trials and approaches in oxidative stress and diseases in terms of diagnosis, treatment, and prevention. We specially focus on clinical trials and studies that are now ongoing in hospital or at home and on practical contents that are prospective field or technology in the future medicine.

Potential topics include, but are not limited to:

- ▶ Human studies measuring free radical production or antioxidant capacity and markers of oxidative damage to biological macromolecules, such as DNA, RNA, lipids, carbohydrates, and proteins
- ▶ Antioxidants and longevity in human studies
- ▶ Recent advances in surgical, transplantation, or perinatal medical care strategies that reinforce the antioxidant defense system
- ▶ New insights into clinical trials and approaches in oxidative stress: outpatient clinics, bedside monitoring, and home medical care

Authors can submit their manuscripts via the Manuscript Tracking System at <http://mts.hindawi.com/submit/journals/omcl/oscta/>.

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