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Impact of Endogenic and Exogenic Oxidative Stress Triggers on Pregnant Woman, Fetus, and Child

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Message from the Guest Editor

Pregnancy is a dynamic process. Disorders in this process can lead to complications in pregnancy, changes in the growth path of the fetus, premature birth, and some other conditions. Homeostasis of the maternal environment is maintained through a variety of mediators. Factors that interfere with this homeostasis can be endogenous or exogenous and are inflammation, oxidative stress, exposure to chemical agents, and lack or excess of food, which can jeopardize the growth and development of the fetus. During pregnancy, there is an increase in oxidative stress, a phenomenon caused by the usual systemic inflammatory response, resulting in a large amount of oxygen species in the circulation. The development and maturation of the placenta is a complex that requires coordinated regulation process trophoblast invasion and its differentiation and spread in the maternal decidua. This Special Issue is dedicated to all aspects of oxidative stress. We must take into account all extensions of oxidative stress, which also include the period before fertilization itself, and the entire duration of pregnancy and childbirth. Everyone is welcome to contribute













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Message from the Editor-in-Chief

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