



The Interplay between Maternal Nutrition and Oxidative Stress

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Message from the Guest Editor

Dear Colleagues,

Molecular markers of oxidative stress of syncytiotrophoblast, namely the ratio between soluble blocking factor sFlit-1 and placental vascular growth factor, are now subject to bedside diagnosis in pregnant patients affected by hypertensive disorders of pregnancy and/or fetal growth restriction.

The present risk is to neglect the biological background of oxidative stress and the preventive strategies that might be considered to promote a healthy pregnancy.

The complex balance between free radicals is a lifelong challenge. The human placenta is a unique organ with a short lifespan, in which this balance is the result of immune, cardiovascular, genetic, and epigenetic interactions that leads to its senescence and a proinflammatory condition at the end of its life a





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