

Special Issue

The Prevention and Treatment of Preeclampsia and Fetal Growth Restriction

Message from the Guest Editors

Preeclampsia and fetal growth restriction remain the leading causes of both maternal and fetal morbidity and mortality worldwide. Although their pathogeneses remain unclear, the underlying causes are thought to overlap, since both preeclampsia and fetal growth restriction commonly occur together. A failed remodeling of the spiral arteries by trophoblasts in early pregnancy seems to be the most plausible hypothesis explaining this phenomenon. Knowledge about the molecular mechanisms underlying the onset and maintenance of preeclampsia and fetal growth restriction is still insufficient, and prevention of preeclampsia and fetal growth restriction is still challenging because of the limited information and effective interventions available for these conditions. Since these gestational abnormalities will result in the development of life-long cardiovascular diseases in the mother, pregnancy-related morbidity has started to be a priority concern among not only obstetricians but also primary care physicians and cardiologists. The fetal environment is considered a key factor in the etiology of chronic non-communicable diseases during offspring's adulthood.

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