

Special Issue

Clinical Diagnostics and Therapeutic Advances in Pregnancy Complications

Message from the Guest Editors

The landscape of pregnancy complications is rapidly evolving through advancements in diagnostics and therapeutics. Maternal and fetal health remains a priority in obstetrics, and ongoing research is making it possible to detect risks earlier and with greater accuracy and to implement more effective treatment plans for conditions such as pre-eclampsia, gestational diabetes, preterm labor, and fetal growth restriction. Advances in non-invasive testing and biomarkers have made the early detection of complications more feasible and accurate. Techniques such as ultrasound imaging, Doppler flow studies, and the development of blood and urine tests allow healthcare providers to monitor both maternal and fetal well-being with greater precision. The application of advanced genetic screening and sequencing technologies is making it easier to identify genetic anomalies, particularly in fetuses with structural malformations. In both prevention and treatment, low-dose aspirin use to prevent pre-eclampsia and gestational hypertension stands out as one of the most significant breakthroughs in recent obstetric care.

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