

Special Issue

Advances in Obstetrics and Maternal-Fetal Medicine

Message from the Guest Editors

With rapid technological advancements, obstetrics and prenatal diagnosis have evolved remarkably. From conventional invasive genetic testing including amniocentesis, we have transitioned to modern genetic testing, including non-invasive prenatal testing. Recent advances in ultrasound imaging have improved our understanding of early anatomical developmental and the possibility to detect a wide spectrum of congenital abnormalities before birth. Also, ultrasound plays a central role in fetal assessment and management of high-risk pregnancies complicated by fetal growth restriction, preeclampsia, hypertension, cardiovascular disease, diabetes and other maternal medical conditions. This Special Issue will focus on recent advances in genetic testing, fetal ultrasound and management of high-risk pregnancies, covering their underlying principles, clinical application and personal experience in using the latest diagnostic and imagistic methods. By analyzing key case studies, we aim to assess the benefits and limitations of these technologies, offering valuable insights and practical recommendations for clinicians.

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