

## Special Issue

# Recent Advances in Adverse Pregnancy and Neonatal Outcomes

### Message from the Guest Editor

Adverse pregnancy and neonatal outcomes remain significant challenges in obstetric and neonatal care. Cesarean sections (CS), while life-saving, are associated with increased risks of uterine rupture, abnormal placentation, and neonatal complications like asthma and altered gut microbiome diversity. Multiple CS procedures further elevate risks of uterine dehiscence and surgical complications.

Innovations in fetal medicine, such as intrauterine surgeries for congenital conditions like spina bifida, have improved neonatal survival rates. Robotic-assisted surgeries and AI-based diagnostics are enhancing precision and early detection of complications like gestational diabetes. Despite these advancements, challenges persist in low-resource settings where maternal mortality from obstructed labor and hemorrhage remains high.

Efforts to optimize CS use and strengthen antenatal care are crucial for mitigating adverse outcomes. The integration of advanced technologies into maternal-fetal medicine offers promising pathways to improve health outcomes for mothers and newborns globally.

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### Guest Editor

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