

Special Issue

Prenatal Screening and Diagnosis: Fetal Medicine Perspectives

Message from the Guest Editors

Over the past few decades, fetal medicine has evolved from an observational field to one focused on proactive diagnosis and intervention. Initially centered on basic ultrasound, it has expanded with high-resolution imaging, Doppler studies, and genomic tools like chromosomal microarray analysis and next-generation sequencing. Non-invasive prenatal testing (NIPT) has revolutionized prenatal screening, enabling early detection of common aneuploidies with unmatched accuracy and safety. This Special Issue provides an overview of advances in fetal medicine and their clinical implications. It explores how emerging technologies are reshaping prenatal diagnosis, the ethical and societal implications of early fetal genetic information, and their impact on clinical decision-making. The issue will also address global perspectives, disparities in access, and strategies for integrating these innovations into care. We invite submissions on topics such as:

- Innovative imaging techniques (e.g., fetal MRI, 3D/4D ultrasound)
- Advances in molecular diagnostics and fetal genomics
- Machine learning and AI in prenatal imaging and risk assessment

We look forward to your contributions to this timely issue.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

You are invited to contribute a research article or comprehensive review for consideration and publication in *Children* (ISSN 2227-9067). *Children* is an open access journal—research articles, reviews, and other content are published online immediately after acceptance. The scientific community and the general public have unlimited free access to the content as soon as it is published. The journal focuses on sharing clinical, epidemiological, and translational science relevant to children's health. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

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