Special Issue

Bridging Bench, Bedside, and Beyond: Clinical and Translational Strategies for Pregnancy Complications

Message from the Guest Editors

This Special Issue, entitled "Bridging Bench, Bedside," and Beyond: Clinical and Translational Strategies for Pregnancy Complications," focuses on pregnancyrelated cardiovascular and metabolic disorders. including hypertensive disorders (preeclampsia. eclampsia, chronic hypertension), gestational diabetes mellitus (GDM), and their vascular complications. These conditions significantly increase maternal and fetal morbidity and mortality, necessitating early prediction, accurate diagnosis, and timely intervention. This Issue highlights advances in risk stratification using biomarkers, cardiovascular imaging, and Al-based predictive models. It also explores therapeutic strategies, such as antihypertensive regimens, glycemic control, and various others. Special attention is given to endothelial dysfunction, placental ischemia, and longterm cardiovascular risks postpartum. By integrating clinical guidelines, cutting-edge research, and multidisciplinary approaches, this collection aims to optimize maternal/fetal outcomes and reduce the burden of pregnancy-related cardiovascular and metabolic diseases.

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