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Angiogenic Imbalance and Diminished Matrix Metalloproteinase-2 and -9 Underlie Regional Decreases in Uteroplacental Vascularization and Feto-placental Growth in Hypertensive Pregnancy

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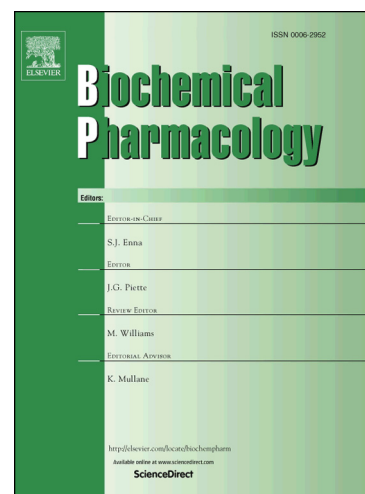
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Regional Decreases in Uteroplacental Vascularization and Feto-placental Growth
in Hypertensive Pregnancy**

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List of Abbreviations: BP, blood pressure; ECM, extracellular matrix; HELLP, hemolysis, elevated liver enzymes, and low platelets; HIF, hypoxia-inducible factor; HUVECs, human umbilical vein endothelial cells; HTN-Preg, hypertension-in-pregnancy; IUGR, intrauterine growth restriction; MMP, matrix metalloproteinase; PIGF, placental growth factor; Preg, normal pregnant; RUPP, reduction of uteroplacental perfusion pressure; sEng, soluble endoglin; sFlt-1, soluble fms-like tyrosine kinase-1; VEGF, vascular endothelial growth factor

Key Words: angiogenesis, hypertension, matrix metalloproteinases, multiple pregnancy, preeclampsia

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