Fetal Microchimerism: Tracing Fetal Cell Passage into Maternal Circulation during Pregnancy and Childbirth

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Fetal microchimerism, a fascinating and complex phenomenon occurring in approximately 50% of pregnancies, involves the transfer of fetal cells into the maternal circulation. This abstract outlines the key aspects and implications of this process, with a focus on its occurrence, mechanisms, and potential impacts on maternal health. Firstly, we delve into the mechanisms of fetal cell transfer, highlighting how these cells traverse the placental barrier during

and extent, are examined. Secondly, the persistence of fetal cells in maternal tissues postpartum is discussed. These cells can integrate into various maternal organs, sometimes remaining for decades. The implications of this long-term

of fetal microchimerism. This includes its role in maternal-fetal medicine, potential applications in disease diagnosis

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