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Pathological process of liver sinusoidal endothelial cells in liver diseases

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Abstract

Cirrhosis develops from liver fibrosis and is the severe pathological stage of all chronic liver injury. Cirrhosis caused by hepatitis B virus and hepatitis C virus infection is especially common. Liver fibrosis and cirrhosis involve excess production of extracellular matrix, which is closely related to liver sinusoidal endothelial cells (LSECs). Damaged LSECs can synthesize transforming growth factor- β and platelet-derived growth factor, which activate hepatic stellate cells and facilitate the synthesis of ECM. We highlight the angiogenic cytokines of LSECs related to liver fibrosis and cirrhosis at different stages and

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