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Multiple inflammatory mediators crosstalk networks in the plasticity of liver fibrosis

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Abstract

Liver fibrosis is the common pathological basis of all chronic liver diseases, and is the necessary stage for the development of chronic liver disease to cirrhosis. As one of pathogenic factors, inflammation play a predominant role in liver fibrosis via communication and interaction between inflammatory cell, cytokine and their related signaling pathways. Damaged hepatocytes induce

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In contrast to pathogenic effect of chemokines in **liver fibrosis**, the CX3CL1-CX3CR1 interaction on **liver** macrophages negatively regulates **liver inflammation** by enhancing macrophage survival and partly inducing an anti-**inflammatory** phenotype (72,73). CX3CL1 is mainly expressed on HSCs, which suggests an anti-**inflammatory** property of HSCs.

Cited by: 237 **Author:** Ekihiro Seki, Robert F. Schwabe
Publish Year: 2015

Inflammation and fibrosis - ScienceDirect

https://www.sciencedirect.com/science/article/pii/S0945053X1730375X

Tissue damage and **inflammation** are important triggers for regeneration and **fibrosis**. Tissue damage not only induces **inflammation** in general, it also determines the type and polarization of **inflammation** by recruiting and activating a variety of different cells types of the innate and adaptive immune system.

Cited by: 25 **Author:** Matthias Mack
Publish Year: 2017

(PDF) Liver inflammation and fibrosis - researchgate.net

https://www.researchgate.net/publication/312035840_Liver_inflammation_and_fibrosis

PDF | Chronic **liver inflammation** leads to **fibrosis** and cirrhosis, which is the 12th leading cause of death in the United States. Hepatocyte steatosis is a component of metabolic syndrome and ...

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https://physoc.onlinelibrary.wiley.com/doi/full/10.1113/jphysiol.2011.219691

Jan 27, 2012 · **Liver** cirrhosis, the end-stage **of liver fibrosis**, is histologically characterized by hepatocyte necrosis, **inflammatory** cell infiltration, bridging **fibrosis** and the appearance of regenerative nodules, and may result in portal hypertension, **liver** failure and hepatocellular carcinoma (Bataller & Brenner, 2005; Friedman, 2008).

Cited by: 243 **Author:** Ekihiro Seki, Bernd Schnabl
Publish Year: 2012

Toll-Like Receptors in Liver Fibrosis: Cellular Crosstalk ...

https://www.researchgate.net/publication/225096014_Toll-Like_Receptors_in_Liver...

Toll-Like Receptors in **Liver Fibrosis:** Cellular **Crosstalk** and Mechanisms.pdf ... improve hepatic **inflammation**, but ameliorated **liver fibrosis** in histology. ... upregulated upon exposure to ...

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Author: Sander Lefere, Frank Tacke **Publish Year:** 2019

Hepatic inflammation and fibrosis: Functional links and ...

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Jul 26, 2014 · **Inflammation** is one of the most characteristic features of chronic **liver** disease of viral, alcoholic, fatty, and autoimmune origin. **Inflammation** is typically present in all disease stages and associated with the development of **fibrosis**, cirrhosis, and hepatocellular carcinoma.

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https://molecular-cancer.biomedcentral.com/articles/10.1186/s12943-018-0927-5

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