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Name of journal: World Journal of Hepatology

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Manuscript type: EDITORIAL

Targeting Kupffer cells in NAFLD/NASH: why and how?

Nicolas Lanthier

**Abstract**

Mechanisms for non-alcoholic steatohepatitis (NASH) development are under investigation in an era of increased prevalence of obesity and metabolic syndrome. Previous findings have pointed to the role of adipose tissue, adipose tissue macrophages and their secretory products in the development of a chronic inflammatory status inducing insulin resistance and a higher risk of liver steatosis called non-alcoholic fatty liver disease (NAFLD). The activation of resident macrophages (Kupffer cells) and the recruitment of blood derived monocytes/macrophages into the diseased liver have now been identified as key elements for disease initiation and progression. Those cells could be activated



Targeting Kupffer cells in NAFLD/NASH: why and how?



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In addition, lipotoxic mediators and danger signals activate Kupffer cells which initiate ... The more severe form of NAFLD, nonalcoholic steatohepatitis (NASH), ...

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### Kupffer Cells Trigger Nonalcoholic Steatohepatitis ...

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2012年11月23日 - Significance: Myeloid cells-targeted silencing of TNF $\alpha$  might be a tenable ... Nonalcoholic steatohepatitis (NASH) is a metabolic liver disease .... Kupffer cells promote hepatic steatosis via an IL-1 $\beta$ -dependent mechanism (17).

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