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Is vitamin D receptor a druggable target for non-alcoholic steatohepatitis?

Cao Y *et al.* VDR and NASH

Ying Cao, Xiang-Bing Shu, Zemin Yao, Guang Ji, Li Zhang

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The liver is a central organ in **vitamin D** synthesis, where 25(OH)**D** occurs and where the majority of **vitamin D**-binding protein is synthesized. Recently, it was recognized that **vitamin D** deficiency is frequently present in chronic liver disease, 68 and an association between **vitamin D** levels and NAFLD has been observed in both adults and children.

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Apr 27, 2016 · It has been suggested that NK cells, another important component of the liver innate immunity system, are linked with NAFLD and also affected by **vitamin D levels**. Vitamin D also appears to promote an anti-inflammatory status. In addition, vitamin D enhances the secretion of IL-10 and decreases the secretion of IL-2 from dendritic cells.

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[Beneficial Effects of Vitamin D Treatment in an Obese ...](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6356425>

Jan 03, 2019 · Serum **vitamin D** levels negatively correlate with obesity and associated disorders such as **non-alcoholic steatohepatitis (NASH)**. However, the mechanisms linking low **vitamin D** (VD) status to disease progression are not completely understood. In this study, we analyzed the effect of VD treatment on NASH in mice

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