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Retrospective study

**Serum Autotaxin Levels Are Correlated with Hepatic Fibrosis and Ballooning
in Patients with Non-alcoholic Fatty Liver Disease**

**Naoyuki Fujimori, Takeji Umemura, Takefumi Kimura, Naoki Tanaka,
Ayumi Sugiura, Tomoo Yamazaki, Satoru Joshita, Michiharu Komatsu, Yoko
Usami, Kenji Sano, Koji Igarashi, Akihiro Matsumoto, Eiji Tanaka**

Abstract

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NAFLD, non-alcoholic fatty liver disease; NAS, NAFLD activity score; NASH, nonalcoholic steatohepatitis; MC, methylcellulose; PAT-048, ... has been implicated in other fibrotic diseases, particularly liver fibrosis. Serum ATX activity is increased in a rat carbon tetrachloride (CCl₄) model of liver fibrosis and correlates with.

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