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The usefulness of autotaxin for the complication of liver cirrhosis



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### Serum Autotaxin Is a Parameter for the Severity of Liver ...

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Serum autotaxin levels are higher in patients with decompensated disease and distinct complications of liver cirrhosis as compared to patients without complications. Portal hypertension is a typical complication of liver cirrhosis.

Cited by: 28 Author: Thomas Pleli, Daniel Martin, Bernd Krone...

Publish Year: 2014

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[journals.plos.org/plosone/article?id=10.1371/journal.pone.0103532](https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0103532)

Serum autotaxin levels are higher in patients with decompensated disease and distinct complications of liver cirrhosis as compared to patients without complications. Patients with decompensated cirrhosis (A), hepatic encephalopathy (B), esophageal varices (C) and portal hypertensive gastropathy (D) show higher serum autotaxin levels.

Published in: PLOS ONE - 2014

Authors: Thomas Pleli · Daniel Martin · B Kronenberger · Friederike Brunner · Verena Koberle

Affiliation: Goethe University Frankfurt

About: Portal hypertension · Hepatitis C virus · Enzyme assay · Cirrhosis · Ascites · Liver tr...

### Autotaxin in liver fibrosis - ScienceDirect

<https://www.sciencedirect.com/science/article/pii/S0009898112003531>

Nov 20, 2012 · Autotaxin's effects are largely attributed to its ability to produce LPA. Serum autotaxin levels may be a useful marker for liver fibrosis. The potential roles of increased serum autotaxin in liver fibrosis are reported.

Cited by: 28 Author: Hitoshi Ikeda, Yutaka Yatomi

Publish Year: 2012

### Serum Autotaxin is a Marker of the Severity of Liver ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4978954>

Aug 10, 2016 · Autotaxin (ATX) is involved in the synthesis of lysophosphatidic acid. Both have recently been linked to cholestatic pruritus and liver injury. We aimed to investigate whether ATX is an indicator of cholestatic liver injury, health-related quality of life (HRQoL) and prognosis based on a group of ...

Cited by: 18 Author: Ewa Wunsch, Marcin Krawczyk, Malgorz...

Publish Year: 2016

## Cirrhosis of the Liver

Medical Condition

Fatigue and severe abdominal pain



A degenerative disease of the liver resulting in scarring and liver failure.

🏠 Common (More than 200,000 cases per year in US)

🧪 Requires lab test or imaging

🔧 Treatments can help manage condition, no known cure

🕒 Can last several years or be lifelong

Alcohol abuse and Hepatitis B & C virus infections are the most common causes of cirrhosis. Most common symptoms of cirrhosis are fatigue, weakness, loss of appetite and jaundice. Treatment focuses on delaying or preventing further damage. Medication is prescribed, and surgery is performed in advanced cases.

### Symptoms

Cirrhosis is usually asymptomatic especially in the initial stages. Symptoms are seen in advanced stages after extensive liver damage. When symptoms do occur, they are often non-specific like:

- Weakness
- Fatigue

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**Name of Journal:** *World Journal of Gastroenterology*

**Manuscript NO:** 52096

**Manuscript Type:** ORIGINAL ARTICLE

**Retrospective Study**

**Usefulness of autotaxin for the complications of liver cirrhosis**

**Abstract**

BACKGROUND

Autotaxin (ATX) has been reported as a direct biomarker for estimating the evaluation of liver fibrosis. But available data on ATX as a useful biomarker for the complications of liver cirrhosis (LC) are scant.

AIM

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Serum Autotaxin Is a Parameter for the Severity of Liver Cirrhosis and Overall Survival in Patients with Liver Cirrhosis – A Prospective Cohort Study. Thomas Pleli, Daniel Martin, Bernd Kronenberger, Friederike Brunner, Verena Köberle, Georgios Grammatikos, Harald ...

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## Pruritus in patients with chronic liver disease and serum ...

<https://bmcgastroenterol.biomedcentral.com/articles/10.1186/s12876-019-1092-z> ▾

Oct 24, 2019 · Reduction of liver function is associated with severe pruritus based on the large number of patients with chronic liver disease. Serum autotaxin is useful for assessing liver fibrosis and severity of cholangitis; however, it is not a predictive marker for severe pruritus in patients with PBC.

Author: Hatsue Fujino, Mio Tanaka, Michio Im... Publish Year: 2019

## Cirrhosis and its complications: Evidence based treatment

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4017060>

May 14, 2014 · ASCITES AND ITS MANAGEMENT. Ascites is the most common complication of cirrhosis[7]. It is also the most common complication that leads to hospital admission[29].

Approximately 15% of the patients with ascites will die in one year and 44% will die in five years[6].

Cited by: 115 Author: Salman Nusrat, Muhammad S Khan, Javi...

Publish Year: 2014

## The Use of Statins in Patients With Cirrhosis ...

<https://www.gastroenterologyandhepatology.net/archives/august-2018/the-use-of-statins...> ▾

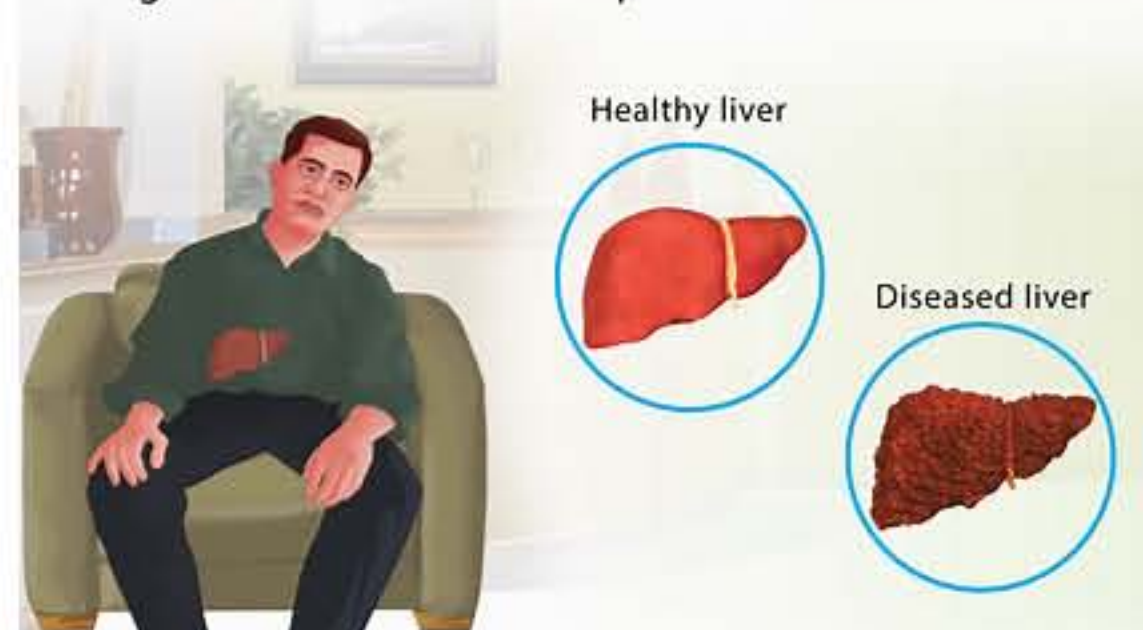
DK Several large retrospective studies generated from populations of cirrhosis predominantly related to chronic hepatitis B virus, chronic hepatitis C virus, and alcoholic liver disease have found associations between statins and reduced morbidity and mortality. These studies include large population-based studies, one on chronic hepatitis B virus infection from Taiwan and one on chronic hepatitis C virus infection ...

## Complications of Liver Cirrhosis

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