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Liver-related effects of chronic hepatitis C antiviral treatment

Laursen TL *et al.* Effects of chronic hepatitis C antivirals

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Abstract

More than five years ago, the treatment of hepatitis C virus infection was revolutionized

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Liver-related effects of chronic hepatitis C antiviral treatme



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Coping with side effects of hepatitis C drugs - Mayo Clinic

<https://www.mayoclinic.org/.../in-depth/hepatitis-c-drug-side-effects/art-20121674> ▼**Side effects**

Treatment

Symptoms

Overview

Management



Many people who start treatment for chronic hepatitis C don't make it through the entire course of therapy because of side effects. For some, new antiviral drugs may soon replace the hard-to-tolerate medications peginterferon alfa and ribavirin that were, until recently, the backbone of hepatitis C treatment. Even so, peginterferon alfa and ribavirin are likely to remain in use for some time, particularly in parts of the world with limited medical resources. The new anti-hepatitis C dru...

[See more on mayoclinic.org](#)

What Are the Side Effects of Hepatitis C Treatment?

<https://www.healthline.com/health/hepatitis-c/side-effects> ▼

The more common side effects of ribavirin can include: **nausea** and **vomiting**. **rash**. changes in your ability to taste. **memory loss**. trouble concentrating. **difficulty sleeping**. **muscle pain**.

[A Full List](#) · [Can Hepatitis C Be Cured](#) · [Manage and Live Better](#)

Hepatitis C - Diagnosis and treatment - Mayo Clinic

<https://www.mayoclinic.org/diseases-conditions/hepatitis-c/diagnosis-treatment/drc...> ▼**Diagnosis**

Treatment

Clinical Trials

Lifestyle and Home Remedie



Health officials recommend that anyone at high risk of exposure to HCV get a blood test to screen for hepatitis C infection. People who may want to talk to their doctors about screening for hepatitis C include: 1. Anyone who has ever injected or inhaled illicit drugs 2. Anyone who has abnormal liver function test results with no identified cause 3. Babies born to mothers with hepatitis C 4. Health care and emergency workers who have been exposed to blood or accidental needle sticks 5. Peop...



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Cognitive Impairment in Hepatitis C Patients on Antiviral ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3394472>

Chronic hepatitis C virus (HCV) is a major cause of liver-related morbidity and mortality. 1 Successful antiviral therapy with sustained viral clearance is associated with improved quality of life 2, 3 and reduced risk of liver complications such as cirrhosis and hepatocellular carcinoma. 4, 5 Therefore, it is recommended that every individual with chronic HCV infection be considered for antiviral therapy.

Cited by: 6

Author: Jessica Irwin, Norah Terrault

Publish Year: 2008

Long-Term Effects of Antiviral Therapy in Patients with ...

<https://www.hindawi.com/journals/heprt/2010/562578>

Cited by: 4

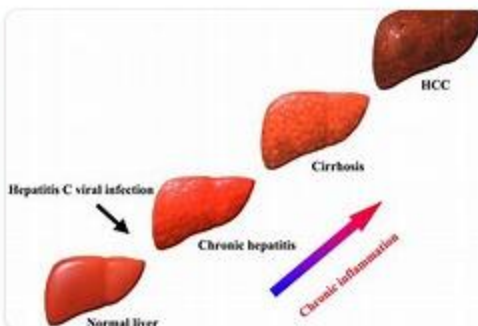
Author: Tatehiro Kagawa, Emmet B. Keeffe

Publish Year: 2010

1. Introduction. Hepatitis C virus (HCV) is a leading cause of chronic liver disease and a major public ...
2. Sustained Virological Response Persists Long Term. P. Marcellin, N. Boyer, and N. Boyer, "Long ...
3. Natural History of Chronic Hepatitis C. M. G. Ghany,...

Images of Liver-related effects of chronic Hepatitis C antiviral ...

bing.com > images



DISCUSSION

- The biomarker levels used in the current study to evaluate cirrhosis have been associated with varying risk of clinical outcomes.
- Observed glycemic levels have been associated with increased risk of coronary heart disease and all-cause mortality.¹⁰
- Observed glucose levels have been associated with higher rates of cardiovascular events.¹¹
- Decreases in eGFR have been associated with increased risk for end-stage renal disease (ESRD) and all-cause mortality.¹²
- The overall improvement in biomarker levels observed in the current study for all HCV patients treated with the HCVDA regimen, especially in patients with advanced ESRD severity at baseline, may indicate long-term clinical benefits including:
- Decreased risk of coronary heart disease and all-cause mortality in cardiovascular populations.
- Delayed development of end-stage renal disease and associated end-organopathy severity in metabolic complications.
- Reduced risk for ESRD and all-cause mortality in liver transplantations.
- These results are in line with previously published literature where HCV viral eradication with interferon/ribavirin-based regimens has been associated with a trend for improvement in cardiovascular, ¹³ gastrointestinal, ¹⁴ bone, ¹⁵ and renal outcomes.¹⁶ and reduced risk of ESRD development.¹⁷

CONCLUSIONS

- A treatment with HCVDA administration or associated with ESRD improvement in all individual patients. These results are in line with the knowledge already obtained in patients treated with interferon/ribavirin regimens.
- A study after 24 weeks of HCVDA treatment from this study showed no negative effect of ESRD treatment on renal function.
- A HCV-infected patients with advanced ESRD may benefit from long-term HCV therapy.

BACKGROUND



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In HBV monoinfection, prolonged suppression of HBV replication by antiviral therapy is clearly associated with reduced frequency of hepatic decompensation and development of HCC. 21-23 Similarly, sustained virological response to IFN α -based therapy of chronic hepatitis C (CHC) leads to **lower liver-associated and overall mortality**. 24-27 In contrast, there are very limited data on the potential clinical long-term effects of antiviral therapies in hepatitis delta.



Antiviral treatment and liver-related complications in ...

aasldpubs.onlinelibrary.wiley.com/doi/full/10.1002/hep.28876

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All-cause mortality and liver-related outcomes following ...

<https://www.ncbi.nlm.nih.gov/pubmed/24532254>

BACKGROUND: Antiviral therapy for the **hepatitis C virus (HCV)** reduces all-cause and **liver-related morbidity** and **mortality**. Few studies are available from populations with multiple medical and **psychiatric comorbidities** where the impact of successful **antiviral therapy** might be limited.

Cited by: 51

Author: Eric Dieperink, Christine Pocha, Paul Thu...

Publish Year: 2014

Time-dependent improvement of liver inflammation, fibrosis ...

<https://onlinelibrary.wiley.com/doi/abs/10.1111/jvh.13204>

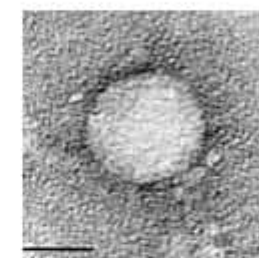
Sep 10, 2019 · Sofosbuvir-based direct-acting **antiviral (DAA)** therapy generally cures **chronic hepatitis C (CHC)** infections, however, the **effects** on the underlying liver disease and the potential rate of recovery are unclear.

Author: Tea Lund Laursen, Cecilie Brøckner S...

Publish Year: 2020

Hepatitis C virus

Rna Viru



The hepatitis C virus is a small, enveloped, positive-sense single-stranded RNA virus of the family Flaviviridae. The hepatitis C virus is the cause of hepatitis C and some cancers such as liver cancer and lymphomas in humans.

Wikipedia

Higher classification: **Hepacivirus**

Scientific name: **Hepatitis C Virus**

Family: **Flaviviridae**

Biological rank: **Species**

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