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**Manuscript NO:** 49832

**Manuscript Type:** ORIGINAL ARTICLE

*Observational Study*

**Sustained virologic response to direct-acting antiviral agents predicts better outcomes in hepatitis C virus-infected patients: A retrospective study**

Colussi G *et al.* HCC or death after DAA treatment

GianLuca Colussi, Debora Donnini, Rosario F Brizzi, Silvia Maier, Luca Velenti, Cristiana Catena, Alessandro Cavarape, Leonardo A Sechi, Giorgio Soardo

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## Impact of Sustained Virologic Response with Direct-Acting ...

<https://aasldpubs.onlinelibrary.wiley.com/doi/abs/10.1002/hep.29408>

Jul 27, 2017 - The impact of **sustained virologic response** (SVR) on mortality after **direct-acting antiviral** treatment is not well documented. This **study** evaluated the impact of **direct-acting antiviral**-induced SVR on all-cause mortality and on incident hepatocellular carcinoma (HCC) in 15,059 hepatitis C virus-infected **patients** with advanced liver disease defined by a FIB-4 >3.25.

Cited by: 31

Author: Lisa I. Backus, Pamela S. Belperio, Troy ...

Publish Year: 2019

## What Are the Benefits of a Sustained Virologic Response to ...

[https://www.gastrojournal.org/article/S0016-5085\(18\)35166-7/fulltext](https://www.gastrojournal.org/article/S0016-5085(18)35166-7/fulltext)

Direct-acting **antiviral** (DAA) regimens are safe and effective at eradicating hepatitis C virus (HCV) infection. Unfortunately, DAAs remain expensive, so treatment of all **HCV-infected patients** would substantially affect health care costs. It is therefore important to continue to assess the hepatic and extrahepatic benefits of a DAA-induced **sustained virologic response** (SVR).

Cited by: 4

Author: George N. Ioannou, Jordan J. Feld

Publish Year: 2019

## What Are the Benefits of a Sustained Virologic Response to ...

<https://www.sciencedirect.com/science/article/pii/S0016508518351667>

Finally, a unique challenge presented by using untreated patients as controls is the potential for immortal time bias. 5 Patients who receive **antiviral agents** are free of the **outcome** of interest between the time of HCV infection and **antiviral therapy** initiation—during this time they are also technically untreated. Failure to count this as untreated person-time leads to underestimation of the incidence of **adverse outcomes** ...

Cited by: 4

Author: George N. Ioannou, Jordan J. Feld

Publish Year: 2019

## IL-28B As a Predictor of Sustained Virologic Response in ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3151409>

IL-28B As a Predictor of **Sustained Virologic Response in Patients** with Chronic Hepatitis C Virus Infection Stevan A. Gonzalez , MD, MS and Emmet B. Keeffe , MD, MACP Dr. Keeffe is a Professor of Medicine, Emeritus, in the Division of Gastroenterology and Hepatology at Stanford University Medical Center in Stanford, California.

Cited by: 16

Author: Stevan A. Gonzalez, Emmet B. Keeffe





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## Achieving sustained virologic response in hepatitis C: a ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4299677>

Jan 17, 2015 · Background. The goal of chronic **hepatitis C** treatment is to remove the virus to avoid progression of HCV-related disease. **Sustained virologic response** (SVR) is the most widely used efficacy endpoint in clinical studies of **hepatitis C**, and represents the eradication of HCV from the body.

**Cited by:** 129

**Author:** Jayne Smith-Palmer, Karin Cerri, William ...

**Publish Year:** 2015

## Sustained virologic response to direct-acting antiviral ...

<https://www.sciencedirect.com/science/article/pii/S016882781930279X>

Sustained virologic response to direct-acting **antiviral therapy in patients with chronic hepatitis C and hepatocellular carcinoma**: A systematic review and meta-analysis

**Cited by:** 2

**Author:** Fanpu Ji, Yee Hui Yeo, Mike Tzuhen Wei, ...

**Publish Year:** 2019

## Sustained Virologic Response to Antiviral Therapy for ...

<https://academic.oup.com/cid/article/52/7/889/300592> ▼

Apr 01, 2011 · The sustained virologic response (SVR) has become the **best** indication of successful **therapy for HCV infection**; SVR is defined as an absence of **detectable HCV RNA** in the serum with use of an assay with a sensitivity of at least 50 IU/mL 6 months after therapy is complete [4, 5].

**Cited by:** 270

**Author:** Brian L. Pearlman, Brian L. Pearlman, Bri...

**Publish Year:** 2011

**Author:** Pearlman, Brian L., Traub, Nomi

## Direct-Acting Antiviral Agents in Patients with Hepatitis ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3966169>

**Safety of Direct-Acting Antiviral Agents** in Patients with Cirrhosis. While **side effects of HCV therapy** are common in all patient types, **side effects** in patients with cirrhosis tend to be magnified, as these patients often lack the physical and biochemical reserves present in patients with milder fibrosis.

**Cited by:** 3

**Author:** Gene Y. Im, Douglas T. Dieterich

**Publish Year:** 2012



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<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4299677>

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Publish Year: 2015

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Sustained virologic response to direct-acting **antiviral therapy** in patients with **chronic hepatitis C** and **hepatocellular carcinoma**: A systematic review and meta-analysis

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Author: Fanpu Ji, Yee Hui Yeo, Mike Tzuhen Wei, Eii...

Publish Year: 2019

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Cited by: 3

Author: Gene Y. Im, Douglas T. Dieterich

Publish Year: 2012

## [PDF] Direct-Acting Antiviral Sustained Virologic Response ...

[www.natap.org/2018/HCV/hep29811.pdf](http://www.natap.org/2018/HCV/hep29811.pdf)

The impact of **sustained virologic response** (SVR) on mortality after **direct-acting antiviral** (DAA) treatment is not well documented in **patients** without advanced liver disease and affects access to treatment. This **study** evaluated the impact of SVR achieved with interferon-free DAA treatment on all-cause mortality in **hepatitis C**

## Direct-acting antiviral sustained virologic response ...

[https://aasldpubs.onlinelibrary.wiley.com/doi/full/10.1002/hep.29811@10.1002/\(ISSN\)1527...](https://aasldpubs.onlinelibrary.wiley.com/doi/full/10.1002/hep.29811@10.1002/(ISSN)1527...)

Reduced all-cause mortality remains the ultimate goal of hepatitis C virus (HCV) **antiviral treatment**. 1, 2 **Oral direct-acting antiviral** (DAA) therapy has led to markedly increased **sustained virologic response** (SVR) rates in the majority of patients treated. 3-11 While expected to lead to **all-cause mortality benefits**, as seen with peginterferon-based regimens, 12-15 evidence of reduction in mortality with DAAs, ...

Cited by: 21

Author: Lisa L. Backus, Pamela S. Palmerio, Troy A.