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Systematic review with meta-analysis on transplantation for alcohol-related liver disease: Very low evidence of improved outcomes

Shen NT *et al.* Transplanting alcohol-related liver disease: A <sup>2</sup> meta-analysis

Nicole T Shen, Cristina Londono, Stephanie Gold, Ashley Wu, Keith C Mages, Robert S Brown Jr

## Abstract

### BACKGROUND

Alcohol-related liver disease (ALD) is a leading cause of liver failure and indication for liver transplantation that arises in the setting of alcohol use disorder (AUD). Previous reviews of transplantation for ALD are limited in scope of outcomes and type of ALD studied. A comprehensive systematic review could improve use of transplantation in ALD and improve future research. We hypothesize that while transplanting ALD may improve mortality and relapse, findings will be limited by pre-specified causes of heterogeneity - assessment and treatment of AUD, definition of ALD, spectrum of ALD studied, assessment and rates of relapse, and study quality and bias.

### AIM

To optimize liver transplantation for ALD, understanding existing research to guide

## Match Overview

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### Advances in alcoholic liver disease: An update on alcoholic hepatitis

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4641111/>  [翻译此页](#)

作者: R Liang - 2015 - 被引用次数: 8 - [相关文章](#)

2015年11月14日 - **Alcohol-induced liver damage** without **evidence** of cirrhosis may actually be ... alcohol cessation prior to initiating an evaluation for liver **transplantation**. ... Chronic alcohol use **results** in a change of baseline balance between .... A follow- up **meta-analysis** and **systematic review** also examined whether such a ...

### Liver Transplantation for Alcohol-Related Liver Disease - NCBI - NIH

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4862016/> - [翻译此页](#)

作者: NS Choudhary - 2016 - 被引用次数: 5 - [相关文章](#)

2016年2月27日 - Liver **transplantation** for ALD leads to **improvement** in quality of life and ... Smoking worsens the **outcome** of **alcohol-related liver disease** and active .... per year in a **meta-analysis** including 50 liver **transplantation** studies conducted ... In a **systemic review** of 13 studies published since 2004, Rustad et al.

### Alcoholic Liver Disease | American College of Gastroenterology

<https://gi.org/guideline/alcoholic-liver-disease/>  [翻译此页](#)

作者: AK Singal - 2018 - 被引用次数: 58 - [相关文章](#)

**Liver transplantation**, a definitive treatment option in patients with advanced ... Key concepts **and** recommendations based on author expert opinion **and review** of **literature** are in Table ... (Conditional recommendation, **very low** level of **evidence**) ... of **disease** progression **and** long-term **outcome** of patients with **alcoholic liver** ...

### Medical treatment of alcohol-related liver disease | Cochrane

[https://www.cochrane.org/.../LIVER\\_medical-treatment-alcohol-related-liver...](https://www.cochrane.org/.../LIVER_medical-treatment-alcohol-related-liver...)  [翻译此页](#)

2017年3月31日 - **Alcohol-related liver disease** or alcoholic **liver disease** is liver ... which participants had not undergone liver **transplantation** previously and ... not determine whether the network **meta-analysis results** were reliable. ... The overall quality of the **evidence** was **very low** and all the trials ... **Primary Review Group**

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### Transplantation for Alcohol-related Liver Disease: Is It Fair? - NCBI - NIH

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6355095/> - [翻译此页](#)作者: JL Mellinger - 2018 - 被引用次数: 2 - [相关文章](#)

2017年12月11日 - **Alcohol-related liver disease** (ALD) is the second leading cause of ... The **results** of the **evaluation** are reviewed by **a transplant** committee ... Such patients often have acute alcoholic hepatitis, **a profound systemic** inflammatory disorder ... **A meta-analysis** published in 2008 examined rates of relapse for all ...

### Challenges in transplantation for alcoholic liver disease - NCBI - NIH

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4081673/>  [翻译此页](#)作者: GA Berlakovich - 2014 - 被引用次数: 15 - [相关文章](#)

2014年7月7日 - **A small** number of recipients experience **a** relapse of **alcoholism**; these patients ... **A review** of the most recent **literature** on this subject disclosed problems ... **Alcoholic** cirrhosis is **a** leading cause of end-stage **liver disease** and the .... adverse **outcome** and is known to **improve** after liver **transplantation**[11].

### Liver Transplantation for Alcoholic Liver Disease

[https://pubs.niaaa.nih.gov > Publications](https://pubs.niaaa.nih.gov/Publications)  [翻译此页](#)作者: A Anantharaju - 被引用次数: 47 - [相关文章](#)

Heavy **drinking and** its **consequences** are important public health **problems**, as illustrated by ... This **review** discusses the patterns and controversies relating to **liver** ... **improve** the **outcomes** of **liver transplants** in **alcoholics** and thereby resolve some of ..... Interestingly, **a meta-analysis** found that ALD and non-ALD patients ...

### (PDF) Liver transplantation for alcoholic hepatitis: A systematic review ...

[https://www.researchgate.net/.../322410357\\_Liver\\_transplantation\\_for\\_alcoh...](https://www.researchgate.net/.../322410357_Liver_transplantation_for_alcoh...) - [翻译此页](#)

2018年1月11日 - Aim Synthesize the available **evidence** on liver **transplantation** for AH to ... Methods **Meta-analysis** of trials evaluating liver **transplantation** for AH, ... **Alcohol** relapse **and** 6-month survival after liver **transplantation** .... hope that **liver function** will **improve** after **alcohol** withdrawal, fear of recurrent **alcohol** ...

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### Advances in alcoholic liver disease: An update on alcoholic hepatitis

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4641111/> [▼ 翻译此页](#)

作者: R Liang - 2015 - 被引用次数: 12 - 相关文章

2015年11月14日 - Alcoholic hepatitis is a pro-inflammatory chronic liver disease that is associated with ... The body of evidence in favor of corticosteroids has been greater than ..... no improvement in outcomes compared to the control group[49,69], along with ... A follow-up meta-analysis and systematic review also examined ...

### Treatment of alcoholic liver disease - NCBI - NIH

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3036962/> [▼ 翻译此页](#)

作者: TH Frazier - 2011 - 被引用次数: 97 - 相关文章

Alcoholic liver disease (ALD) remains a major cause of liver-related mortality in the US ..... and weight loss, if applicable, are also crucial to improving the outcome of those .... Importantly, a meta-analysis of the most recent studies of this subgroup of ... A very recent Cochrane systematic review included 15 trials with a total of ...

### Challenges in transplantation for alcoholic liver disease - NCBI - NIH

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4081673/> [▼ 翻译此页](#)

作者: GA Berlakovich - 2014 - 被引用次数: 15 - 相关文章

2014年7月7日 - A small number of recipients experience a relapse of alcoholism; these patients ... A review of the most recent literature on this subject disclosed problems ... Alcoholic cirrhosis is a leading cause of end-stage liver disease and the .... adverse outcome and is known to improve after liver transplantation[11].

### Pharmacological interventions for alcoholic liver disease (alcohol ...

<https://www.cochranelibrary.com/cdsr/doi/10.1002/14651858.../abstract> - [翻译此页](#)

Cochrane Database of Systematic Reviews 2017, Issue 3. .... disease through a network meta-analysis and to generate rankings of the ... who had previously undergone liver transplantation and those with co-existing ... low or very low for all outcomes. .... interventions showed any improvement