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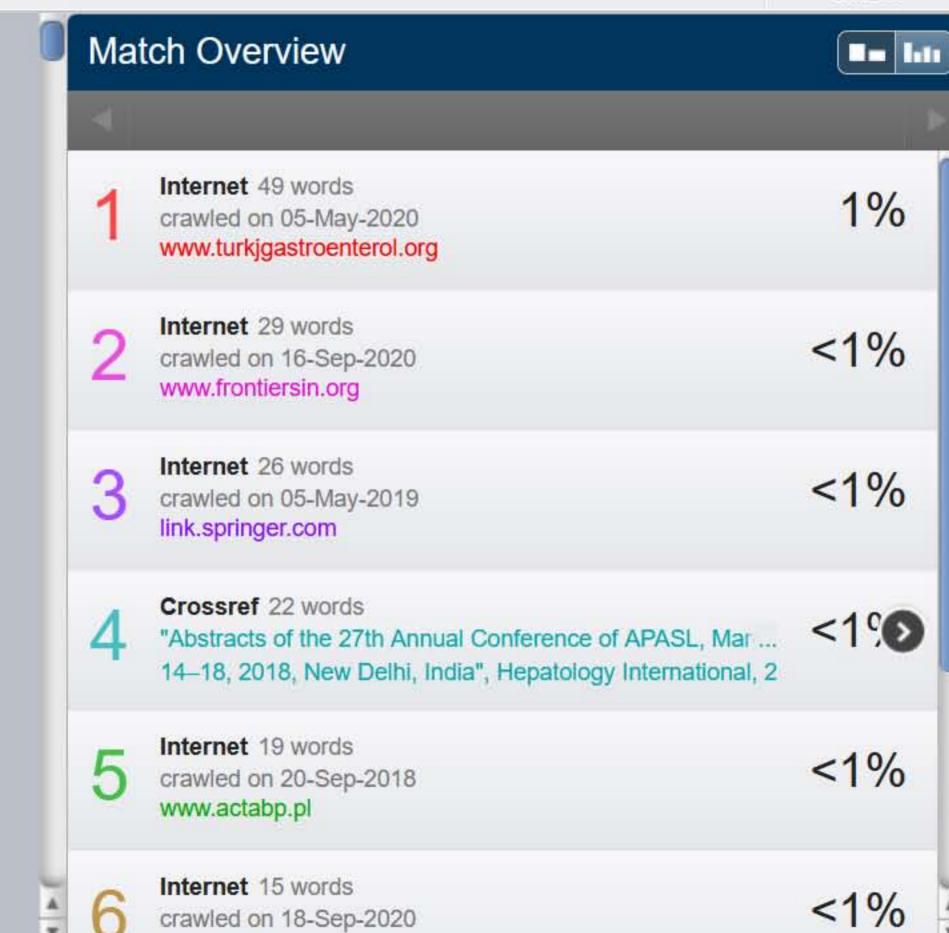
Manuscript Type: ORIGINAL ARTICLE

Case Control Study

Gut dysbiosis is associated with poorer long-term prognosis in cirrhosis

Maslennikov R et al. Gut dysbiosis and prognosis in cirrhosis

Roman Maslennikov, Vladimir Ivashkin, Irina Efremova, Aliya Alieva, Ekaterina Kashuh, Ekaterina Tsvetaeva, Elena Poluektova, Elena Shirokova, Konstantin Ivashkin



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#### Gut dysbiosis is associated with poorer long-term prognosis in cirrh





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cirrhosis confers a damning prognosis with a 1-year mortality approaching 64%. This complex neuropsychiatric syndrome arises as a consequence of a dysfunctional gut-liver-brain axis. HE has been largely neglected over the past. 30 years, with the reliance on therapies aimed at ...

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Hospitalizations in cirrhosis are associated with susceptibility to nosocomial and second infections and can predict a poor prognosis 1. Type 2 diabetes mellitus (DM) is frequently found in patients with cirrhosis, especially with non-alcoholic steatohepatitis (NASH) and hepatitis C infection, which could worsen the prognosis 2, 3, 4.

Cited by: 53 Author: Jasmohan S. Bajaj, Naga S. Betrapally, ...

Publish Year: 2015

### Alterations in Gut Microbiome in Cirrhosis as Assessed by ...

https://www.gastrojournal.org/article/S0016-5085(20)35150-7/fulltext

Cirrhosis is characterized by marked alterations in gut microbiome that parallel disease stages with maximal changes in ACLF. Altered **gut microbiome** was associated with complications of cirrhosis and survival. Gut microbiome may contribute to disease progression and poor prognosis. These results should be confirmed in future studies.

Cited by: 2 Author: Cristina Solé, Susie Guilly, Kevin Da Silva...

Publish Year: 2021

#### [PDF] The Role of the Gut Microbiome in Liver Cirrhosis ...

https://www.mdpi.com/1422-0067/22/1/199/pdf

Dysbiosis is associated with **gut barrier dysfunction and immunity** since the micro-biota and its products modulate barrier function by affecting the epithelial inflammatory response and mucosal repair function [38]. Previous studies have shown that cirrhosis is associated with altered immune responses that potentially allows dysbiosis or altered

Author: Na Young Lee, Ki Tae Suk Publish Year: 2020

#### Gut dysbiosis associated with clinical prognosis of ...



#### Gut dysbiosis is associated with poorer long-term prognosis in cir







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## Fungal dysbiosis in cirrhosis | Gut

https://gut.bmj.com/content/67/6/1146.full •

Cirrhosis is a major cause of death and disability worldwide. 1 One of the major reasons for this mortality is related to infections that often stem from the gut. 2 Gut bacterial dysbiosis in cirrhosis has been associated with these infections, which can lead to organ failure and death. 3 The dysbiosis, or an unfavourable microbiome, is characterised by a lower autochthonous bacterial taxa

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## Gut microbial dysbiosis associates hepatocellular ...

https://www.sciencedirect.com/science/article/pii/S1499387218302601

Feb 01, 2019 · With the progression of **liver** cirrhosis, gut **microbial** dysbiosis is also significantly aggravated, and these aggravations are closely related to the complications of **liver cirrhosis** and patient prognosis. During liver cirrhosis, gut microbial dysbiosis can lead to increased levels of endotoxin, increased systemic inflammatory response, elevated levels of blood ammonia, and even the ...

Cited by: 22 Author: Jian-Wen Jiang, Xin-Hua Chen, Zhigang.









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Jun 01, 2018 · Cirrhosis is a major cause of death and disability worldwide.1 One of the major reasons for this mortality is related to infections that often stem from the gut.2 Gut bacterial dysbiosis in cirrhosis has been associated ...

Cited by: 74 Author: Jasmohan S Bajaj, Eric J Liu, Raffi ...

Publish Year: 2018

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https://www.tandfonline.com/doi/pdf/10.1586/17474124.2015.1035257

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