

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

**Manuscript NO:** 48679

**Manuscript Type:** META-ANALYSIS

***Lactobacillus rhamnosus* GG in the treatment of acute pediatric diarrhea: A systematic review with meta-analysis**

Li YT *et al.* *Lactobacillus* GG for acute diarrhea

Ya-Ting Li, Hong Xu, Jian-Zhong Ye, Wen-Rui Wu, Ding Shi, Dai-Qiong Fang,

Yang Liu, Lan-Juan Li

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**Crossref** 13 words  
Miguel O’Ryan, Yalda Lucero, Miguel A O’Ryan-Soriano, Shai Ashkenazi. "An update on management of severe acuti...

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## Meta-analysis: Lactobacillus GG for treating acute ...

<https://onlinelibrary.wiley.com/doi/full/10.1111/j.1365-2036.2007...>

Mar 30, 2007 · Aim To **review** evidence for the effectiveness of **Lactobacillus GG** (LGG) in treating **acute** infectious diarrhoea in **children**. Methods The following electronic databases were searched through August 2006 for studies relevant to **acute** infectious diarrhoea and LGG: MEDLINE, EMBASE, CINAHL and The Cochrane Library; additional references were obtained from reviewed articles.

Cited by: 279

Author: H. Szajewska, A. Skórka, M. Ruszczyński...

Publish Year: 2007

## Systematic review with meta-analysis: Lactobacillus ...

<https://onlinelibrary.wiley.com/doi/full/10.1111/apt.13404>

Sep 13, 2015 · **Systematic review with meta-analysis: Lactobacillus rhamnosus GG** in the prevention of antibiotic-associated diarrhoea in ... 14 for this **systematic review** and **meta-analysis**, ... Probiotics and antibiotic-associated **diarrhea** in **children**: A **review** and new evidence on **Lactobacillus rhamnosus GG** during and after antibiotic **treatment** ...

Cited by: 94

Author: H. Szajewska, M. Kołodziej

Publish Year: 2015

## Efficacy of probiotic use in acute rotavirus diarrhea in ...

[www.ncbi.nlm.nih.gov](http://www.ncbi.nlm.nih.gov) › ... › v.6(4); Autumn 2015

Conclusion: In some studies, the efficiency of probiotics in reducing the course of **acute diarrhea** in young children was attributed to the consumption of fermented **milk** ( 24, 34 - 36 ). In some research studies, **lactobacillus GG** was effective **in the treatment of rotavirus diarrhea** ( 26, 31, 35, 37 - 40 ).

Cited by: 16

Author: Elaheh Ahmadi, Reza Alizadeh-Navaei, M...

Publish Year: 2015

## Meta-analysis: Lactobacillus GG for treating acute ...

[https://www.researchgate.net/publication/51384607\\_Meta-analysis...](https://www.researchgate.net/publication/51384607_Meta-analysis...)

By using this approach, several works and meta-analysis studies have proved that both **Lb. rhamnosus GG** and other probiotic strains are effective **in the treatment of acute diarrhea** (McFarland 2006 ...

## [PDF] Bacillus clausii for the Treatment of Acute Diarrhea in ...

<https://www.mdpi.com/2072-6643/10/8/1074/pdf>

**Lactobacillus rhamnosus GG** and **Saccharomyces boulardii** in the management of children with acute diarrhea as an adjunct to rehydration therapy, whereas a recommendation for **Bacillus clausii** is missing due to limited data [12]. The aim of this paper is to systematically review randomized controlled trials that assessed the efficacy and safety of **Bacillus clausii** in the treatment of acute childhood diarrhea.

Cited by: 9

Author: Sima Ghaheri, Ghazal Banihashemi, M...



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## Systematic review with meta-analysis: Lactobacillus ...

<https://onlinelibrary.wiley.com/doi/full/10.1111/apt.15267>

Apr 25, 2019 - This systematic review identified 18 trials that randomised more than 4200 children with **acute gastroenteritis** treated with **L rhamnosus GG**. The addition of **L rhamnosus GG** to standard **rehydration therapy** compared with placebo or no **treatment** was associated with a reduced duration of **diarrhoea** by approximately 20 hours.

## Systematic review with meta-analysis: Lactobacillus ...

<https://onlinelibrary.wiley.com/doi/full/10.1111/apt.13404>

Sep 13, 2015 - In this **systematic review** and **meta-analysis** of 12 RCTs, we showed that LGG, compared with placebo or no **treatment**, is effective in preventing AAD in the overall population of adults and **children** treated with antibiotics for any reason.

Cited by: 101

Author: H. Szajewska, M. Kołodziej

Publish Year: 2015

## Systematic review with meta-analysis: Lactobacillus ...

[https://www.researchgate.net/publication/332672608\\_Systematic\\_review\\_with\\_meta...](https://www.researchgate.net/publication/332672608_Systematic_review_with_meta...)

Background Recently, evidence from a large randomised controlled trial (RCT) negated efficacy of **Lactobacillus rhamnosus GG** for treating **acute gastroenteritis** in **children**. Aim To

## Efficacy of probiotic use in acute rotavirus diarrhea in ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4649266>

Conclusion: In some studies, the efficiency of **probiotics** in reducing the course of **acute diarrhea** in **young children** was attributed to the consumption of fermented milk ( 24, 34 - 36 ). In some research studies, **lactobacillus GG** was **effective in the treatment of rotavirus diarrhea** ( 26, 31, 35, 37 - 40 ).

Cited by: 16

Author: Elaheh Ahmadi, Reza Alizadeh-Navaei, M...

Publish Year: 2015

## (PDF) Meta-analysis: Lactobacillus GG for treating acute ...

[https://www.academia.edu/12627885/Meta-analysis\\_Lactobacillus\\_GG\\_for\\_treating\\_acute...](https://www.academia.edu/12627885/Meta-analysis_Lactobacillus_GG_for_treating_acute...) ▼

A trial in the Karelian Republic 3 Szajewska H, Mrukowicz J. Probiotics in 11 Egger M, Smith GD, Schneider M, of oral rehydration and Lactobacillus the treatment and prevention of acute Minder C. Bias in meta-analysis detec- GG for treatment of acute diarrhoea.



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## Systematic review with meta-analysis: Lactobacillus ...

<https://onlinelibrary.wiley.com/doi/full/10.1111/apt.15267>

Apr 25, 2019 · **Systematic review with meta-analysis: Lactobacillus rhamnosus GG for ...** The guidelines from the Cochrane Collaboration for undertaking and reporting the results of a **systematic review and meta-analysis** 8 and the PRISMA ... well-conducted RCT may not be sufficient to eliminate L rhamnosus GG from the treatment of children with acute ...

Cited by: 1 Author: Hania Szajewska, Maciej Kołodziej, Dorot...  
Publish Year: 2019

## Efficacy of probiotic use in acute rotavirus diarrhea in ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4649266>

Efficacy of probiotic use in acute rotavirus diarrhea in children: A systematic review and meta-analysis Elaheh Ahmadi , MSc, 1 Reza Alizadeh-Navaei , MD, PhD, 2 and Mohammad Sadegh Rezai , MD \*, 3 1 Young Researchers and Elite Club, Science and Research Branch, Islamic Azad University, Tehran, Iran.

Cited by: 16 Author: Elaheh Ahmadi, Reza Alizadeh-Navaei, ...  
Publish Year: 2015

## Lactobacillus rhamnosus GG versus Placebo for Acute ...

<https://www.nejm.org/doi/full/10.1056/NEJMoa1802598>

Nov 22, 2018 · **Lactobacillus for Acute Gastroenteritis in Children** Acute gastroenteritis is a common illness, and treatment with probiotics is common. In a double-blind, placebo-controlled trial, treatment ...

Cited by: 18 Author: David Schnadower, Phillip I Tarr, T Charl...  
Publish Year: 2018

## Meta-analysis: Lactobacillus GG for treating acute ...

[https://www.researchgate.net/publication/51384607\\_Meta-analysis\\_Lactobacillus\\_GG\\_for...](https://www.researchgate.net/publication/51384607_Meta-analysis_Lactobacillus_GG_for...)

By using this approach, several works and meta-analysis studies have proved that both Lb. rhamnosus GG and other probiotic strains are effective in the treatment of acute diarrhea (McFarland 2006 ...

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## Lactobacillus

Genus

Lactobacillus is a genus of Gram-positive, facultative anaerobic or microaerophilic, rod-shaped, non-spore-forming bacteria. They are a major part of the lactic acid bacteria group. In humans, they constitute a significant component of the microbiota at a nu... +

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Scientific name: Lactobacillus

Family: Lactobacillaceae

Phylum: Firmicutes

Class: Bacilli

Order: Lactobacillales

Biological rank: Genus

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