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Probiotic mixture VSL#3: An overview of basic and clinical studies in chronic diseases

Fang-Shu Cheng, Dan Pan, Bing Chang, Min Jiang, Li-Xuan Sang

Abstract

Probiotics are known as "live microorganisms" and have been proven to have a health effect on hosts in the proper dose. Recently, a kind of probiotic mixture, VSL#3, including eight live bacterial strains has attracted considerable attention for its combined effect. VSL#3 is the only probiotic considered as a kind of medical food; it mainly participates in the regulation of the intestinal barrier function, including improving tight junction protein

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Probiotic mixture VSL#3: An overview of basic and clinical



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Past studies using the combination probiotic VSL#3 has shown efficacy in **hepatic encephalopathy secondary** to cirrhosis, and in **nonalcoholic fatty liver disease** showing improvement in clinical and serum parameters of **hepatic injury** [46–48].

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Dec 31, 2015 · Background The probiotic mixture VSL#3 has proven efficacious in **inflammatory bowel diseases** and **irritable bowel syndrome**; however, its efficacy in **microscopic colitis** (MC) is being investigated. Objective To evaluate the safety and efficacy of a multistrain probiotic, VSL#3, in inducing clinical remission and achieving clinical response, as compared with mesalamine, in patients with ...

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Probiotics and Gastrointestinal Disease: Clinical Evidence ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2947383>

Sep 01, 2009 · Both the live **VSL#3 bacteria** and secreted **bacterial factors** were able to elicit heat shock **protein induction** in intestinal epithelial cells, in a dose-dependent manner . Two **studies** tested DNA isolated from **VSL#3 bacteria** for anti-inflammatory activity in two different models of experimental **colitis** [23, 24]. In the first **study**, Il-10 **deficient mice** were fed DNA from **VSL#3** for 2 weeks and ...

Cited by: 61

Author: Elaine O. Petrof

Publish Year: 2009

Probiotics and prebiotics in chronic inflammatory bowel ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4124400>

Oct 07, 2006 · Probiotics may also alter the **intestinal microflora** by changing the **fatty acid profile** in the colon. VSL#3 probiotic strains are also capable of converting **linoleic acid** to **conjugated linoleic acid**, a **fatty acid** with anti-inflammatory and **anti-carcinogenic properties**[61].

Cited by: 184

Author: Julia B Ewaschuk, Levinus A Dieleman

Publish Year: 2006

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