Other Reviews - - Other Review

Does probiotic supplementation affect pulmonary exacerbation and intestinal inflammation in cystic fibrosis: a systematic review of randomized clinical trials.

Code: PM28470579 **Year:** 2017 **Date:** 2017 **Author:** Nikniaz Z

Study design (if review, criteria of inclusion for studies)

Systematic review

Participants

Randomized controlled trials (RCTs) performed in CF pediatric or adult populations

Interventions

Probiotics supplementation

Outcome measures

Efficacy and safety; pulmonary exacerbation and intestinal calprotectin

Main results

Five studies included in this review represent 188 participants with a follow up period ranging from 1 month to 6 months. The results of the included studies supporting the use of probiotics in management of pulmonary exacerbation and intestinal calprotectin in patients with cystic fibrosis. However the level of evidence was limited.

Authors' conclusions

The lack of high quality RCTs makes it impossible to support a general recommendation about the use of probiotics in the treatment of CF pulmonary exacerbation and intestinal inflammation.

http://dx.doi.org/10.1007/s12519-017-0033-6

See also

World J Pediatr. 2017 Aug;13(4):307-313. doi: 10.1007/s12519-017-0033-6. Epub 2017 Apr 29.

Keywords

Probiotics; Immunoregulatory; pharmacological_intervention;