
Other Reviews - - Other Review

Long-Term Safety and Efficacy of Elexacaftor/Tezacaftor/Ivacaftor in Adults and Adolescents with Cystic Fibrosis and at Least One F508del Allele: A Phase 3, Open-Label Extension Study.

Code: PM40209082

Year: 2025 Date:

Author: Daines CL

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

Systematic review

Participants

Randomized controlled studies (RCTs) on young patients with CF.

Interventions

Omega-3 supplementation.

Outcome measures

Levels of docosahexaenoic acid, eicosapentaenoic acid, arachidonic acid, C-reactive protein (CRP); forced expiratory volume 1, forced vital capacity, anthropometric parameters.

Main results

A meta-analysis of 12 the eligible studies was performed. Findings of the study showed that omega-3 supplementation significantly increased the levels of docosahexaenoic acid (weighted mean [WMD]: 2.06%, 95% confidence interval [CI]: 1.29, 2.82, p<€%.

Authors' conclusions

The finding showed that in pediatric patients with CF, omega-3 supplementation showed benefits only in plasma fatty acid profile and serum CRP.

<http://dx.doi.org/10.1164/rccm.202411-2231OC>

See also

Am J Respir Crit Care Med. 2025 Apr 10. doi: 10.1164/rccm.202411-2231OC.

Keywords

omega-3; Fish Oils; non pharmacological intervention - diet; Supplementation; essential fatty acids; Food;