primary studies - published RCT

Airway clearance therapy in the school environment: Retrospective analysis of a cohort of pediatric patients with cystic fibrosis.

Code: PM36702656 **Year:** 2023 **Date:** 1961 **Author:** Byrwa DJ

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

Randomized, placebo-controlled, double-blind study. Parallel design.

Participants

49 children attending the Fibrocystic Clinic at Babies Hospital (Columbia-Presbyterian Medical Center, New York) randomised. Diagnostic criteria not stated. Paper states " Only patients with a proven diagnosis of cystic fibrosis, and who were apparently stabilized on an accepted regimen of therapy, were accepted for the study." Patients had not previously received supplementary tocopherol.See note on withdrawals below, for final analysis 45 patients followed for at least 2 months, 37 patients completed 6 months of trial (18 in tocopherol group; 19 in placebo group).

Interventions

2 or 3 divided doses of 0.2 ml of mixture/kg/day.Supplement:10 mg/dl alpha-tocopheryl acetate/kg/day.Placebo: further details not given.

Outcome measures

Weight, muscle strength, blood tests (tocopherol level; S-GOT), subjective rating of disease severity (scale of 1 - 5) by outcome assessors, estimate in change of disease status (scale 0 - 6) by outcome assessors after discussions with patients/carers.

http://dx.doi.org/10.1016/j.jcf.2023.01.006

See also

J Cyst Fibros. 2023 Jan 24:S1569-1993(23)00007-3. doi: 10.1016/j.jcf.2023.01.006.

Keywords

Child; Infant; non pharmacological intervention - diet; Vitamin E; Vitamins; Antioxidants; pharmacological_intervention;