primary studies - published RCT

Trajectories of adherence to airway clearance therapy for patients with cystic fibrosis.

Code: PM20304772 **Year:** 2010 **Date:** 2010 **Author:** Modi AC

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

Secondary data analyses for a randomized clinical trial

Participants

Participants (n = 153; M = 14.3 years, 55% male, 86% Caucasian, baseline FEV(1)% predicted: M = 86.7)/primary caregivers completed Daily Phone Diaries

Interventions

Daily Phone Diaries, an empirically supported adherence measure, every 4 months.

Outcome measures

adherence to airway clearance therapy (ACT)

Main results

Group-based trajectory modeling revealed the best-fitting solution was a three-group model: low-adherence (14%), medium-adherence (49%), and high-adherence (37%) groups. ACT type was the only significant predictor of adherence trajectories.

Authors' conclusions

Three trajectories of adherence to ACT for patients with CF were found. With the identification of trajectories, adherence interventions can be targeted for the subgroup at highest risk in order to prevent poor health outcomes.

http://dx.doi.org/10.1093/jpepsy/jsq015

See also

J Pediatr Psychol. 2010 Oct;35(9):1028-37. Epub 2010 Mar 18.

Keywords

Adolescent; pharmacological_intervention;