

primary studies - published RCT

Short-term efficacy of ultrasonically nebulized hypertonic saline in cystic fibrosis.

Code: PM8882210

Year: 1996 Date: 2001

Author: Eng PA

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

Dual intervention cross-over trial over 4 days

Participants

17 participants (6 males), age range 7 - 33 years, 16 participants analysed

Interventions

Randomised to single dose nebulised placebo, salbutamol 5 mg, ipratropium 0.25 mg or combination

Outcome measures

Changes in spirometry (FVC, FEV1, FEF25-75, FEF50, TGV, Raw) measured at baseline and 30 minutes later

Main results

The mean forced expiratory volume in the first second improved significantly (adjusted P-value

Authors' conclusions

in CF patients bronchodilator therapy with sympathomimetic agents is usually sufficient. Only in cases with proven additional benefit from inhalation by anticholinergics should combination therapy be recommended.

[3.0.CO;2-M" target=" blank">http://dx.doi.org/10.1002/\(SICI\)1099-0496\(199602\)21:2<77::AID-PPUL3>3.0.CO;2-M](http://dx.doi.org/10.1002/(SICI)1099-0496(199602)21:2<77::AID-PPUL3>3.0.CO;2-M)

See also

Pediatr Pulmonol. 1996 Feb;21(2):77-83.

Keywords

Adolescent; Adult; Albuterol; Biomarker; Bronchodilator Agents; Child; Combined Modality Therapy; Inhalation OR nebulised; Ipratropium; non pharmacological intervention - diagn; pharmacological_intervention; placebo; Salbutamol; Adrenergic beta-Agonists; Respiratory System Agents; Anticholinergic Agents;