

primary studies - published RCT

Cefsulodin sodium therapy in cystic fibrosis patients.

Code: PM6422844

Year: 1984 Date: 1991

Author: Cabezudo I

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

randomized trial

Participants

28 CF patients with lung function compromised (FEV1

Interventions

4 aerosol treatments were studied: 20% N-acetylcysteine (jet aerosol); 0.5% NaCl (jet aerosol); 0.5% NaCl (ultrasonic nebulizer); tobramycin 50 mg/ml (jet aerosol). patients received all the treatments, one each day in two daily administrations lasting 10 minutes each one.

Outcome measures

Spirometry was done before and 15, 30, 45 minutes after each aerosol.

Main results

From the analysis of the mean changes of FEV1 and MMEFR in the six post-treatment tests of each treatment, no treatment showed relevant side-effects of bronchoconstriction.

Authors' conclusions

The changes observed in individual cases should be considered within the range of spontaneous variability of lung function, with some tendency to post-treatment increase of the air flow parameters.

<http://www.mrw.interscience.wiley.com/cochrane/clcentral/articles/951/CN-00188951/frame.html>

See also

ANTIMICROB AGENTS CHEMOTHER YR: 1984 VL: 25 DE: CCT NO: 1

Keywords

Inhalation OR nebulised; Acetylcysteine; Tobramycin; thiols; pharmacological_intervention; Airway clearance drugs -expectorants- mucolytic- mucociliary-; Respiratory System Agents; Aminoglycosides; Anti-Bacterial Agents;