primary studies - published RCT

Pulmonary function in infants with cystic fibrosis: the effect of antibiotic treatment.

Code: PM7944533 **Year:** 1994 **Date:** 1994 **Author:** Beardsmore CS

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

randomised prospective controlled trial

Participants

42 CF infants.

Interventions

half the infants received continuous oral flucloxacillin and the remainder received antibiotics when clinically indicated.

Outcome measures

A total of 73 tests was performed. Infants underwent tests of respiratory function at 3-4 months and at 1 year of age. Measurements of thoracic gas volume and airway conductance were made with an infant whole body plethysmograph, and maximum expiratory flow by the 'squeeze' technique. To facilitate comparisons, measurements were expressed as scores.

Main results

The mean values of the scores for the two groups of infants fell within normal limits. There was no difference between the treatment groups at either age. A reduction in airways conductance was observed between the two tests.

http://dx.doi.org/10.1136/adc.71.2.133

See also

Arch Dis Child. 1994 Aug;71(2):133-7.

Keywords

Anti-Bacterial Agents; Drug Administration Schedule; Floxacillin; Infant; Newborn; Oral; pharmacological_intervention; Bacterial Infections; Respiratory Tract Infections; Respiratory Tract Diseases; Infection; Continuous; Cloxacillin; flucloxacillin; Penicillins;