primary studies - published RCT

Modification of pediatric lung function measurement by antibacterial filters.

Code: PM1475266 **Year:** 1992 **Date:** 1992 **Author:** Gruper W

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

randomized trial

Participants

92 children and adolescents with bronchial asthma and cystic fibrosis

Interventions

filter (Pall PF 30)

Outcome measures

flow-volume curves and spirometry were registered in the whole body plethysmograph

Main results

Values measured with filter correlated closely to those registered without; individual values remained close to the line of identity. With high flow rates, however, there was a minimal tendency towards lower measurements with filter; this damping effect was flow-dependent and remained of a clinically insignificant dimension.

http://www.mrw.interscience.wiley.com/cochrane/clcentral/articles/692/CN-00486692/frame.html

See also

Pneumologie YR: 1992 VL: 46 DE: RCT NO: 11

Keywords

Adolescent; Adult; Anti-Bacterial Agents; Artificial Ventilation; Child; Infection; non pharmacological intervention - devices OR physiotherapy; pharmacological_intervention; Respiratory Tract Diseases; Respiratory Tract Infections; Ventilators; Bacterial Infections;