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primary studies - published, non RCT

## **Prospective controlled study of home and hospital therapy of cystic fibrosis pulmonary disease.**

**Code:** PM3298594

**Year:** 1987 **Date:** 1988

**Author:** Donati MA

### **Participants**

38 patients with cystic fibrosis aged 9-18 years admitted to hospital with an exacerbation of their pulmonary symptoms

### **Interventions**

Supervised directed coughing and conventional physiotherapy (postural drainage, vibration and/or percussion and coughing)

### **Outcome measures**

Assessment included objective measures of pulmonary function and sputum characteristics

### **Main results**

Both treatment groups showed significant improvement at the end of the 2-week period. When the patients were graded according to their pulmonary disease, those with mild-moderate disease demonstrated a significant improvement in both treatment groups whereas those with severe lung disease showed little improvement with either treatment.

### **Authors' conclusions**

Directed coughing is as effective as conventional physiotherapy in the management of patients with cystic fibrosis admitted to hospital for treatment of an exacerbation of their pulmonary symptoms.

<http://www.mrw.interscience.wiley.com/cochrane/clcentral/articles/721/CN-00048721/frame.html>

### **See also**

The Journal of pediatrics YR: 1987 VL: 111 NO: 1

### **Keywords**

Adolescent; Airway clearance technique; Child; Drainage; non pharmacological intervention - devices OR physiotherapy; pharmacological\_intervention; Airway clearance drugs -expectorants- mucolytic- mucociliary-; Exacerbation; Respiratory Tract Infections; Respiratory Tract Diseases; Infection; Bacterial Infections; Postural Drainage; percussion; Chest physiotherapy;