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primary studies - published RCT

## Improved treatment response to dornase alfa in cystic fibrosis patients using controlled inhalation.

**Code:** PM21737560

**Year:** 2011 **Date:** 2015

**Author:** Bakker EM

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

Randomized study

### Participants

One hundred parents of infants identified as CF carriers through NBS

### Interventions

parents were randomly assigned by household to either a genetic counseling only group or a genetic counseling and video group.

### Outcome measures

All participants completed a knowledge-based questionnaire before, immediately after, and six weeks following genetic counseling. This included questions about resources accessed before and after the appointment.

### Main results

Seventy-two percent of participants accessed resources on their own prior to genetic counseling; these participants scored significantly higher on the pre-counseling questionnaire ( $p = 0.03$ ). Post-counseling knowledge scores for both groups significantly improved after genetic counseling ( $p$

### Authors' conclusions

This study demonstrates the effectiveness of an educational video and reinforces the importance of genetic counseling following positive NBS results for CF.

<http://dx.doi.org/10.1183/09031936.00006211>

### See also

Eur Respir J. 2011 Dec;38(6):1328-35. Epub 2011 Jul 7.

### Keywords

Adult; Caregivers; Child; non pharmacological intervention - psyco-soc-edu-org; Psychoeducation; training; Self-Management; Systemic interventions; Behavioural interventions; Cognitive analytic therapy; information; Counseling; Genetic Testing; Heterozygote Detection; screening; diagnostic procedures;