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*primary studies - published RCT*

## **Assessment of Parental Understanding of Positive Newborn Screening Results and Carrier Status for Cystic Fibrosis with the use of a Short Educational Video.**

**Code:** PM25236483

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

**Author:** Temme R

### **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/10.1007/s10897-014-9767-7>

### **See also**

J Genet Couns. 2015 Jun;24(3):473-81. doi: 10.1007/s10897-014-9767-7. Epub 2014 Sep 19.

### **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;