
primary studies - published RCT

An interactive computer program can effectively educate potential users of cystic fibrosis carrier tests.

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

RCT

Participants

In a population setting of people undergoing assisted reproduction, 44 individuals

Interventions

individuals were randomly assigned to either receiving standard one-on-one genetic counseling or education by the IC program.

Outcome measures

Pre- and post-intervention knowledge about CF genetic transmission and carrier testing was measured.

Main results

Starting from an equivalent baseline of correct answers to a specially designed multiple-choice questionnaire (47% in the counselor group and 45% in the computer group) both groups showed a highly significant and similar increase (reaching 84% in the counselor group and 85% in the computer group).

Authors' conclusions

The computer program under evaluation can successfully educate individuals considering genetic testing for CF.

<http://dx.doi.org/10.1002/ajmg.a.33870>

See also

Am J Med Genet A. 2011 Apr;155A(4):778-85. doi: 10.1002/ajmg.a.33870. Epub 2011 Mar 17.

Keywords

Adult; carrier status; computer programs; Counseling; Family Therapy; Genetic Predisposition to Disease; Genetic Testing; Heterozygote Detection; non pharmacological intervention - diagn; non pharmacological intervention - psycho-soc-edu-org; screening; training; Psychoeducation; Systemic interventions; diagnostic procedures; non pharmacological intervention - genetic& reprod;