primary studies - published RCT

Growth hormone normalizes pubertal onset in children with cystic fibrosis.

Code: PM16607924 **Year:** 2006 **Date:** 2006 **Author:** Vanderwel M

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

randomized retrospective cross-over study

Participants

105 children with CF who had participated in studies on growth hormone (GH)

Interventions

GH therapy. participants were randomized into two cohorts, one of which was treated with GH for 1 year, and then followed off GH, and the other group was first followed off GH, and then treated with GH for 1 year

Outcome measures

pubertal staging

Main results

In prepubertal females, GH treatment resulted in a normalized onset of breast development as compared to delayed onset in non-treated females. Females treated during puberty had a normal time of breast development. In prepubertal males, GH treatment resulted in a normalized onset of testicular volume compared to non-treated males. Testicular size progression was not accelerated in pubertal boys treated with GH

Authors' conclusions

GH treatment normalizes pubertal onset in prepubertal children with CF

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See also

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Keywords

Adolescent; Child; Growth Hormone; Hormones; pharmacological_intervention; Recombinant Proteins;