primary studies - published RCT

Comparison of effectiveness of pancreatic enzyme preparations in cystic fibrosis.

Code: PM7148760 **Year:** 1982 **Date:** 1982 **Author:** Mischler EH

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

randomised, controlled double-blind study with crossover

Participants

10 boys with CF

Interventions

pancrealipase (enzyme supplement containing lipase, amylase, and protease) in the form of pH-sensitive microspheres (Pancrease) and in the form of encapsulated enzyme powder (Cotazym)

Outcome measures

nitrogen, fat and protein absorption

Main results

Patients experienced significantly enhanced nitrogen and fat absorption while receiving either enzyme when compared with placebo. The enteric-coated product promoted significantly improved fat absorption as compared with the conventional enzyme capsule. Both enzyme preparations caused significantly improved protein absorption as compared with placebo, but there was no significant difference between the two products in the degree of effect on azotorrhea.

http://www.mrw.interscience.wiley.com/cochrane/clcentral/articles/785/CN-00182785/frame.html

See also

Am J Dis Child. 1982 Dec;136(12):1060-3.

Keywords

Anti-Bacterial Agents; Gastrointestinal Diseases; Malabsorption; Nutrition Disorders; Pancreas insufficiency; Pancreatic Diseases; Pancreatic Enzyme Replacement Therapy; pharmacological_intervention; placebo; Supplementation; Bacterial Infections; Respiratory Tract Infections; Respiratory Tract Diseases; Infection; Capsules; Microspheres; Powders; Gastrointestinal Agents;