

primary studies - published RCT

## Effect of VX-770 in persons with cystic fibrosis and the G551D-CFTR mutation.

**Code:** PM21083385    **Year:** 2010    **Date:** 2014

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

double blinded randomised crossover trial.

### Participants

14 adolescents (13.1 +/- 2.7 years) with pancreatic insufficient CF and 7 healthy age matched controls.

### Interventions

Subjects consumed a high fat pancake, with either PERT (50,000IU lipase) or placebo.

### Outcome measures

Post prandial hyperglycaemia measured as peak glucose and area under the curve for blood glucose at 240 minutes.

### Main results

CF subjects had postprandial hyperglycaemia compared to controls (area under the curve, P

### Authors' conclusions

In young people with pancreatic insufficient CF, PERT markedly attenuates postprandial hyperglycaemia by slowing gastric emptying and augmenting incretin hormone secretion.

<http://dx.doi.org/10.1056/NEJMoa0909825>

### See also

N Engl J Med. 2010 Nov 18;363(21):1991-2003.

### Keywords

Adult; Gastrointestinal Diseases; Hypoglycemic Agents; Insulin; pharmacological\_intervention; Pancreas insufficiency; Pancreatic Diseases; Pancreatic Enzyme Replacement Therapy; Supplementation; Malabsorption; Nutrition Disorders; Capsules; Creon; Gastrointestinal Agents;