Introduction. 225 patients suspected for chronic pancreatitis, 151 CHP confirmed by imaging methods

Aims & Methods. The study group was 225 subjects with suspected chronic pancreatitis (CHP). Two different aspects of exocrine pancreatic function were evaluated: static & dynamic aspects. Stool samples were routinely analysed for elastase-1 (FELA) using monoclonal ELISA kits. A total of 225 stools were tested with CTP protocol.

Results. Concordant results in 0 - 100 - 200 scale were found in 225/277 = 81.2%. Discrepant results: FELA < 100 mg/g & 13C-MTG normal, cPDR (6hr) > 30%.

Conclusions. Five different human pancreatic elastases (PA I, IA, IB, IA/B, IB) are known, of which human pancreatic Elastase 1 is expressed in the adult pancreas. All antibodies that are commonly used in a polyclonal ELISA Bofry differentially detect human elastase forms 1A and 1B. Clinical scenarios that describe human elastase-1 activity in the pancreas is actually referring to elastase 1A (ELISA Bofry).

EXOCRINE PANCREATIC FUNCTION TESTS - 13C-BREATH TEST AND FECAL ELASTASE

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SUMMARY

CHP PATIENTS GROUPS

225 patients suspected for chronic pancreatitis, 151 CHP confirmed by imaging methods

CHP CHP -- CC

CHP CHP -- DD

CHP - D

13C-MTG AS WELL.

FEAL ELASTASE

STOOL SAMPLES - SUBJECTS

FEAL ELASTASE

13C-MTG BREATH TEST

CONCLUSIONS

Five different human pancreatic elastases (PA I, IA, IB, IA/B, IB) are known, of which human pancreatic Elastase 1 is expressed in the adult pancreas. All antibodies that are commonly used in a polyclonal ELISA Bofry differentially detect human elastase forms 1A and 1B. Clinical scenarios that describe human elastase-1 activity in the pancreas is actually referring to elastase 1A (ELISA Bofry).

227 fecal samples Schello and BioServ ELISA methods Consistent results in 8 - 100 - 200 scale Consistency 22/27 = 81.2%

Concordant results: FELA < 100 mg/g & 13C-MTG normal, cPDR (6hr) > 30%.

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