

## Chronic Pancreatitis

- Chronic inflammation causing fibrosis and destruction of exocrine pancreatic tissue and diabetes mellitus in some cases

Causes - Same

- Recurrent acute pancreatitis
- Cancer? Ductal adenocarcinoma,  
Sphincter of Oddi circosis

Pathophysiology - same

Cystic fibrosis in children

↳ CFTR mutation  $\rightarrow$   $\downarrow$  Cl  $\rightarrow$  Thick Secretion

Pancreatic Insufficiency

$\downarrow$  Amylase

$\downarrow$  Lipase

Steatorrhea

$\downarrow$  Trypsin

Weight loss

$\downarrow$  Vitamin

A, D, E, K

Fat soluble

$\downarrow$  Insulin

Diabetes Mellitus

Investigation

$\rightarrow$  72 hr stool collection  $\rightarrow$  Fat malabsorption

$\rightarrow$  Fecal elastase-1 Test  $\rightarrow$  a pancreatic enzyme in stool

Autoimmune

- IgG4
- Rheumatoid Factor
- Antinuclear antibody
- Anti smooth muscle antibody
- ERCP & MRCP