

# Pancreatitis

## Infected necrosis

- Solid necrotic pancreas with infected fluid
- Mortality ranges from 5% (without organ failure) to 30% (with organ failure)
- Treatment
  - Open necrosectomy - difficult surgery with high morbidity and mortality, now rarely done as last resort
  - Retroperitoneal drainage +/- laparoscopic necrosectomy (“Step-up” approach) - technically challenging
  - EUS AXIOS drainage +/- necrosectomy - preferred modern approach if expertise available
  - Percutaneous direct endoscopic necrosectomy (PDEN) - retroperitoneal drainage + endoscopic necrosectomy

# Case 3

- Walled-off necrosis
- Axios stent inserted at 4 weeks

# Case 3



Before Axios



After Axios

# Case 3

- 5 sessions of endoscopic necrosectomy over 2 months

# Case 3

- Contiguous right iliac fossa collection drained percutaneously
- Percutaneous direct endoscopic necrosectomy (through perc drain) at final necrosectomy session

# Case 3

- Organ failure
  - Renal - dialysis for 6 weeks, subsequently recovered
  - Respiratory (ARDS) - intubated for 4 weeks, then surgical tracheostomy for 8 weeks
- Nutrition
  - NJ feeding - required multiple endoscopic replacements
- VTE
  - Bilateral femoral and internal iliac veins DVT. Anticoagulated an IVC filter placed. Removed after 3 months
  - Splenic vein thrombosis with splenomegaly
- Sepsis
  - Staph capitis bacteraemia
  - Staph aureus and pseudomonas in abdominal collections

# Case 3

- Gallstones
  - ERCP day 17 - CBD stone seen, stent placed
  - ERCP after 4 months - multiple CBD stones cleared, stent removed

# Case 3

- Outcome
- Finally discharged from hospital after 7 months, including 3 months in ICU
- Community rehab. Still requires 1 person assistance for showering
- Still needs cholecystectomy...

# Pancreatitis

- Other complications of severe pancreatitis
  - Gastrointestinal perforation
  - Stress ulceration and GI bleeding
  - Abdominal compartment syndrome
  - Complications of treatment
    - Line sepsis
    - Peripheral vein thrombosis and difficult access
    - Bleeding from necrosectomy
  - Psychological impact