

Save the Date



**59th Annual Meeting
of the European Society for
Paediatric Gastroenterology,
Hepatology and Nutrition**

2-5 June 2027 | Lisbon, Portugal

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Endoscopic Cyst Gastrostomy for Pancreatic Pseudocysts: Single center experience



Faculty Disclosure

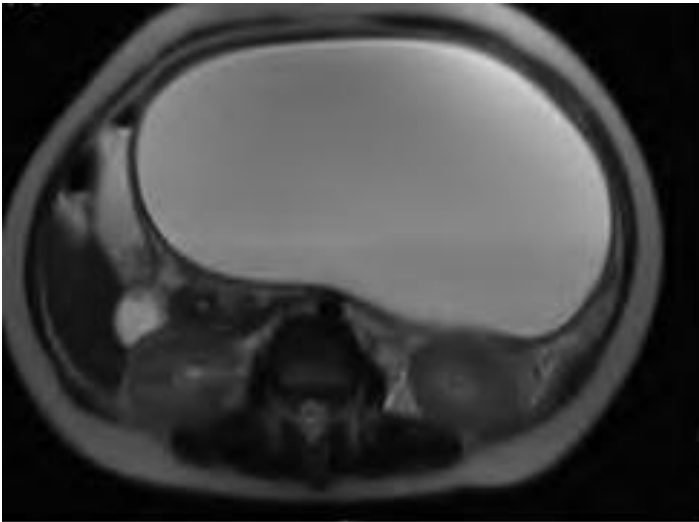
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No, Nothing to Disclose



Background

- 5-15% patients with pancreatitis
- Pseudocyst is a collection of amylase rich fluid in the lesser sac
- Has a fibrous wall devoid of epithelium
- Secondary to medical or surgical causes of pancreatitis



Werlin SL et al JPGN 2003
D'Egidio A Br J Surg 1991



Management of Pseudocysts

Surgical

- Conventional: open surgical drainage (cyst gastrostomy/jejunostomy)
- Laparoscopic: internal drainage
- Percutaneous

Morton JM J Gastro Surg 2005

Szako L Pancreatology 2020

Farias GF Medicine 2019

Endoscopic

- EUS assisted
- EUS un-assisted

Varadarajulu S GI Endosc 2008

Lakhtakia S GI Endosc 2015

Ramesh J JPGN 2013



Patient Characteristics

	Case 1	Case 2	Case 3
Age at presentation	10y 3m	2y 4m	6y 6m
Etiology	Pancreatic trauma (handlebar injury)	Haemorrhagic pancreatitis secondary to L-Asparaginase	Necrotic pancreatitis (idiopathic)
Peak amylase level	2307	111	241
Size of Pseudocyst	8X15X10 cm	6X8X9cm	11X7X10cm
E-CG done (day of illness)	1. Day 36 2. Day 47	Day 12	Day 18
Hospital stay (days)	50	6	54
Need for further intervention	1. Repeat E-CG 2. Laparoscopic cyst gastrostomy	No	No
Stent removal	No	No	No
Complications post E-CG (including recurrence)	Re-accumulation of pseudocyst	None	None



Procedural technique

- All procedures under GA
- Therapeutic endoscope (3.2mm diameter)
- Enterocystotome (Cook Medical)
- Single/double pig-tailed biliary stent 7Fr
- Subsequent clinical and lab follow up



• Pseudocyst



Case selection for endoscopic management of Pseudocysts

- Symptomatic
- Mature/rapidly enlarging cysts
- Diameter of >6cm
- Abutting the stomach wall
- Clear internal fluid
- Endoscopic expertise

Hao W Pancreas 2021



Complications

- Bleeding
- Failure of Intervention
- Cyst re-accumulation
- Infection
- Perforation

Rosenfeld E, Ped Surg Int 2019

Andalib I, Clin Gastro 2018

