



ASGE Guideline on the Role of Endoscopy in the Management of Chronic Pancreatitis¹

By Rishi Das

Definition

Chronic pancreatitis, occurring in 45 of 100,000² individuals, is often associated with morbidity in the form of chronic pain. Therapeutic endoscopy offers multiple avenues to manage painful pancreatitis symptoms.

Endoscopy Versus Surgery for Management of Pancreatic Ductal (PD) Obstruction

- Surgical evaluation should precede endoscopic management for patients failing conservative pain management.
- If patient prefers endoscopy for uncomplicated obstruction, OK for endoscopy due to similar rates pain relief.
- Rating:* Conditional, Low- Moderate Quality

Pain Management with Celiac Plexus Block

- EUS guided celiac block is preferred over percutaneous approach for patients failing pharmaceutical medical management
- Rating:* Conditional, Low quality

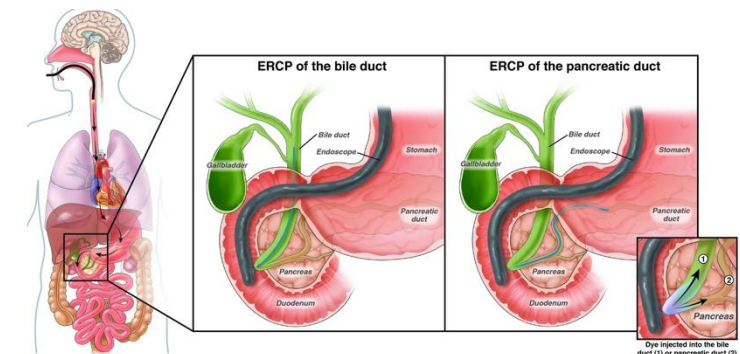
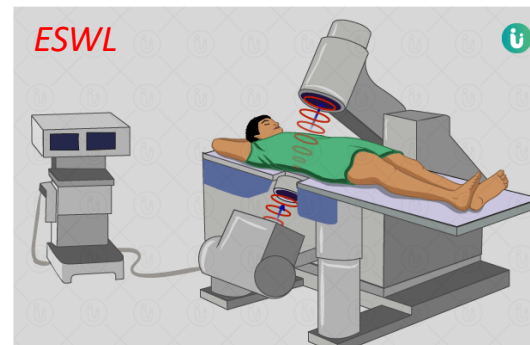
Pseudocyst Management

- Endoscopic drainage is preferred over surgical drainage for symptomatic pancreatic pseudocyst.
- Rating:* Conditional, Low

Endoscopic Management of PD Stones

- For endoscopic management of PD stones with pain symptoms, management depends on stone size, location, radio-opacity.
- Rating:* Conditional Very Low- Low

	Stone <5mm	Stone >5mm	Stone >10mm
<i>Type</i>	Radiopaque or Radiolucent	Radiopaque	Radiopaque
<i>Management</i>	ERCP +/- Pancreatoscopy	ERCP +/- Pancreatoscopy	Extracorporeal shockwave lithotripsy (ESWL) +/- ERCP if non-adequate stone clearance



1. American Society for Gastrointestinal Endoscopy guideline on the role of endoscopy in the management of chronic pancreatitis: summary and recommendations, Sheth, Sunil G. et al. *Gastrointestinal Endoscopy*, Volume 100, Issue 4, 584– 594
 2. Cai, Q. Y., Tan, K., Zhang, X. L., Han, X., Pan, J. P., Huang, Z. Y., Tang, C. W., & Li, J. (2023). Incidence, prevalence, and comorbidities of chronic pancreatitis: A 7-year population-based study. *World Journal of Gastroenterology*, 29(30). <https://doi.org/10.3748/wjg.v29.i30.4671>



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Endoscopic Management of PD Stricture

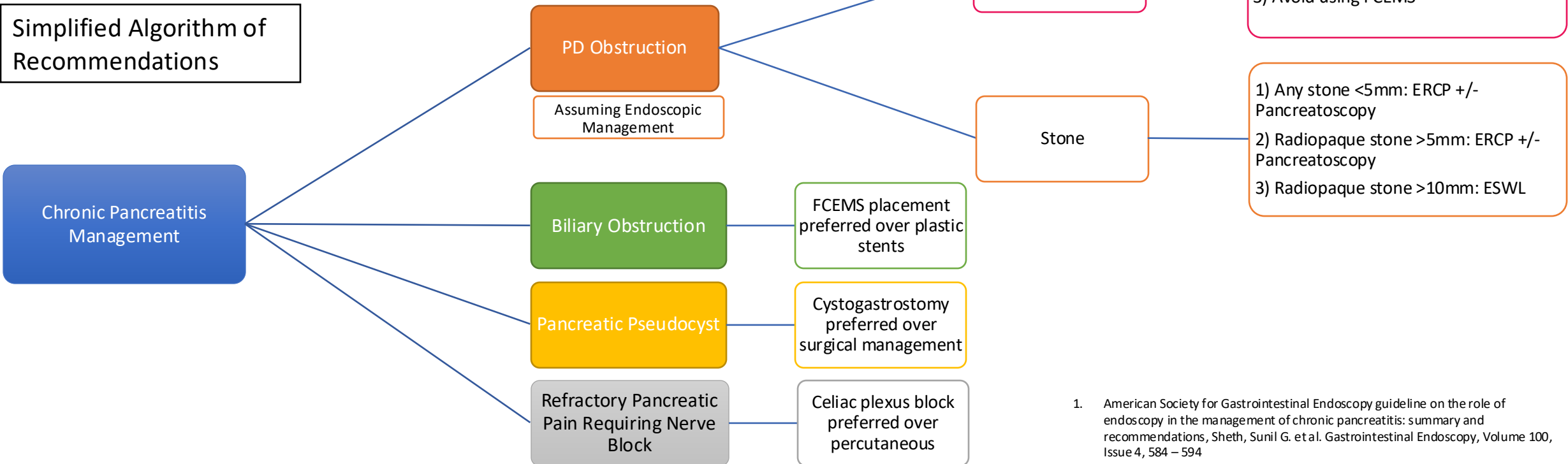
- Multiple recommendations proposed on nature of stenting for symptomatic pain relief
- **Rating:** Conditional, Very Low quality

Number	Diameter	Material
• Single plastic stent (PS) is preferred over multiple PS or serial placement of increasing stent for pain relief.	• Largest possible stent diameter that can be deployed safely is preferred for initial treatment.	• Recommend against use of fully covered self expanding metal stent (FCSEMS) who failed initial placement.

Endoscopic Management of Biliary Stricture

- In patients with chronic pancreatitis complicated by biliary stricture with jaundice and/or alkaline phosphatase elevation >4 weeks, FCSEMS are preferred over multiple plastic stents for treatment
- **Rating:** Conditional, low – moderate quality

Simplified Algorithm of Recommendations



1. American Society for Gastrointestinal Endoscopy guideline on the role of endoscopy in the management of chronic pancreatitis: summary and recommendations, Sheth, Sunil G. et al. Gastrointestinal Endoscopy, Volume 100, Issue 4, 584 – 594