Safety and Efficacy of Endoscopic Drainage of Pancreatic Fluid **Collections Performed by Early Career Advanced Endoscopists: A Multicenter Experience**

Department of **Veterans Affairs**

Introduction

- Endoscopic ultrasound-guided drainage has become the mainstay of management for pancreatic fluid collections (PFCs).
- While there are ample data showing the safety and efficacy of this procedure, this data comes from expert endoscopists.
- We aimed to evaluate the safety and effectiveness of endoscopic drainage of PFCs performed by early career advanced endoscopists.

Methods

- This was a multicenter, retrospective analysis of all patients who underwent endoscopic drainage of PFCs, performed by 6 early-career advanced endoscopists.
- Early career was defined as being within the first 2 years of graduating advanced endoscopy fellowship.
- Technical success was defined as the ability to place the stent within the PFC.
- Clinical success was defined as improvement or resolution of the PFC at the end of therapy.

	N = 24 (%)		N = 24 (%)	Rosults
Patient characteristics		Patient characteristics		A total of 24 patients underwant
Age, vears	53 (SD 14)	Site of EUS Pancreatic Drainage		 A total of 24 patients underwent drainage of PFCs. The most common indication was walled-off necrosis (11 cases, 46%) and pseudocyst (9 cases, 37.5%).
Female	5 (21%)	Stomach	22 (91.7%)	
	5 (Z170)	Duodenum	2 (8.3%)	
Inpatient	9 (56%)	Native Anatomy	23 (95.8%)	
Platelets (K/cmm)	298	Stent used		
INR	1.13	LAMS	21 (87.5%)	
Any anticoagulation	3 (12.5%)	Plastic	3 (12.5%)	
Argatroban	1 (4 2%)	LAMS Size		 Clinical success was achieved in 22 cases (91.7%).
Anivahan	1 (4 2%)	10 mm x 10 mm	2 (9.5%)	
	1 (4.270)	15 mm x 10 mm	14 (66.7%)	 Technical success was achieved in
Warfarin	1 (4.2%)	20 mm x 10 mm	5 (23.8%)	
Charlson Comorbidity Index, average	2.6	Clinical Success	22 (91.7%)	23 (95.8%)
Collection Type		Technical Success	23 (95.8%)	
Pseudocyst	9 (37.5%)	Adverse events		 Further characteristics are
Walled-off necrosis	11 (45.8%)	LAMS maldeployment	1 (4.2%)	summarized in table 1 and 2.
Post-surgical collection	4 (16 7%)	Bleeding	0	
Collection Leastion	+ (10.770)	Stent migration	0	
		Post-procedural pain within 30-days	3 (12.5%)	 Our findings suggest that endoscopic drainage of pancreatic fluid collections is safe and effective in the hands of formally trained
Peripancreatic	10 (41./%)	Need for admission within 30-days	7 (29.2%)	
Pancreatic	14 (58.3%)	Death within 30-days	0	
Head	2	Stent removed	19 (79.2%)	
Body/Tail	9	Mean time until stent removed, days, SD	27 (SD 22)	
Entire pancreas	3	Mean number of GI interventions	1.6	early career advanced endoscopists.
		Duration of follow-up median, days	90	
				 Further study is needed to confirm and validate these findings

Nicholas McDonald, M.D.¹, Rushikesh Shah, M.D.², Natalie Wilson, M.D.³, Munish Ashat, M.D.⁴, Jagpal Klair, M.D.⁵, James Haddad, M.D.⁶, Corey Miller, M.D.⁷, Mohamed Abdallah, M.D.¹, Shawn Shaw, M.D.⁶, Mohammad Bilal, M.D.^{1,8}

of Texas Southwestern Medical Center, Dallas, TX, USA, 'McGill University, Montreal, QC, ⁸Minneapolis Veterans



Table 1. Patient characteristics Table 2. Procedural Characteristics