

Endoscopic Papillectomy of Ampullary Lesions: Predictors of Recurrence and Adverse Events

Gaurav Suryawanshi, MD; Mohamed Abdallah, MD; Nicholas McDonald, MD; David Jonason, MD; Guru Trikudanathan, MD; Stuart Amateau, MD, PhD; Shawn Mallery, MD, Martin Freeman, MD; Nabeel Azeem, MD

Introduction

- Endoscopic Papillectomy (EP) is an effe endoscopic modality for managing amp adenoma, early ampullary carcinoma, piecemeal resection of large laterally sp lesions.
- EP has a better safety profile compared surgery or transduodenal ampullectom

Aim

 This study aims to evaluate predictors for recurrence and adverse events in patier underwent EP for ampullary lesions.

Methods

- Retrospective analysis of all patients wh underwent endoscopic snare papillecto ampullary lesion.
- Between January 2006 and December 2
- Completed univariate and multivariate multiple patient and procedure related identify risk factors related to post-EP a events and ampullary lesion recurrence

University of Minnesota Medical Center, Department of Gastroenterology, Minneapolis, MN

	Characteristics
ective	Male, n (%)
pullary	Age, year, median (IQR)
and preading	Symptoms prior to EP, n (%)
	Histology obtained prior to EP, n (%)
	EUS prior to EP, n (%)
	Anti-platelet/Anti-coagulation use, n (%
	Iron deficiency anemia, n (%)
d to Whipple	Lesion size, mm, median (IQR)
٦y.	Method of Resection
	En-Bloc <i>, n</i> (%)
	Piecemeal, n (%)
⁵ or nts who	Intraductal invasion, n (%)
	Duodenal diverticulum, n (%)
	Altered post-surgical anatomy, n (%)
	Pancreas divisum, n (%)
	Biliary sphincterotomy, n (%)
	Pancreatic sphincterotomy, n (%)
ho omy for an	Submucosal lifting prior to EP, n (%)
	Pancreatic stent after EP, n (%)
	Biliary stent after EP, n (%)
	Final Pathology
	Adenoma, n (%)
2021	Adenoma with high grade dysplasia,
	Adenocarcinoma or NET, n (%)
analysis of variables to dverse	Other (non-neoplastic), n (%)
	Complete histological resection (RO), n (
	Recurrence after technical success, n (%
	Overnight admission after EP, n (%)
	ED visit within 30 days of index EP, n (%)
	Post-ERCP pancreatitis, n (%)
	Papillary stenosis, n (%)
	Procedural bleeding requiring endoscop
	Delayed bleeding, n (%)
	Teble 4. Deseline above stavistics of vesticate whereas

Table 1: Baseline characteristics of patients who underwent endoscopic papillectomy. IQR: Interquartile Range. NET: Neuroendocrine Tumor. EUS: Endoscopic Ultrasound

5	N = 51	
	29 (56.8)	 Median f
	65 (56-76)	
	22 (43.1)	A
	40 (78.4)	 Age, met
	37 (72.5)	intraduct
%)	14 (27.5)	recurren
	15 (29.4)	
	15 (10.8-20)	Average
		of post-p
	38 (74.5)	
	13 (25.5)	 Complete
	8 (15.7)	- with no r
	4 (7.8)	
	2 (3.9)	value=0.
	3 (5.9)	
	40 (78.4)	Post-ERC
	11 (21.6)	bleeding
	7 (13.7)	
	46 (90.2)	
	45 (88.2)	
	39 (76.5)	• In patient
, n (%)	5 (9.8)	R0 resect
) (/ . /	3 (5.9)	recurrenc
	4 (7.8)	
(%)	23 (45.1)	
%)	17 (33.3)	 Delayed I
	24 (47.1)	and is ass
6)	7 (13.7)	pancreati
	7 (13.7)	may be o
	2 (3.9)	bleeding.
pic clips <i>, n</i> (%)	9 (17.6)	
	7 (13.7)	



Results

follow-up: 228 days (IQR 40-795)

ethod of resection, lesion size, and ctal extension were not associated with ice.

(mean) time between EP and presentation procedural bleeding is 2.86 days.

te histologic resection (R0) is associated recurrence: OR=5.4, 95% CI: 1.4-20.8, P-.014.

CP pancreatitis is associated with delayed g: OR=7.5, 95% CI: 1.2-46.1, P-value=0.03.

Conclusions

nts who undergo EP for ampullary lesions, tion is associated with reduced risk of ice.

bleeding occurs rather acutely post-EP sociated with increased risk of post-ERCP titis; thus closer post procedural follow up of benefit for those with higher risk of