# UCONN HEALTH

#### INTRODUCTION

Traditionally, lower gastrointestinal bleed (LGIB) patients have a benign clinical course compared to those with upp gastrointestinal bleed (UGIB) patients leading to the over utilization of resources in patients with UGIB. However, r studies have reported similar clinical outcomes such as readmission and mortality rates, thereby challenging this Our study aimed to compare clinical outcomes between groups.

#### METHODS

This is a post-hoc analysis of a retrospective study on pa admitted with gastrointestinal bleed as their primary diag higher level of care from March, 2015 - March, 2021. Ele medical records of patients above 18 years of age were reviewed. The patients were stratified into 2 groups: UGI LGIB. The outcomes analyzed included incidence of end damage (acute kidney injury and myocardial infarction), treatment modalities (conservative and/or endoscopic intervention), no. of patients requiring intensive care unit hospital length of stay (LOS), 30-day mortality, and 90-da readmission rate. Pearson Chi-square and Mann Whitner were applied to compare groups. p-value greater than 0. considered significant.

#### **Comparison of Outcomes Between Upper and Lower GI Bleed Patients: A Post-Hoc Analysis of Retrospective Study**

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#### **TABLE 1**

s tend to		<b>Upper GI Bleed</b> n (%) = 164 (79.2%)	<b>Lower GI Bleed</b> n, (%) = 34 (16.4%)	p-value
pper	Age, mean ± SD (median, IQR) Gender	65.6 (55,77)	64.15 (51, 76.3)	ns ns
er-	Male	98 (47.3%)	25 (12.1%)	
recent	Female	66 (31.9%)	9 (4.3%)	
s view. In the two	Race Caucasian Black Hispanic Other including unavailable data	104 (50.2%) 23 (11.1%) 13 (6.3%) 24 (11.6%)	22 (10.6%) 6 (2.9%) 2 (1.0%) 4 (1.9%)	ns
	History of HTN	92 (44.4%)	21 (10.1%)	ns
	History of DM	39 (18.8%)	8 (3.9%)	ns
	History of CAD	47 (22.7%)	14 (6.8%)	ns
	History of NSTEMI/STEMI	13 (6.3%)	2 (1.0%)	ns
	History of CKD	42 (20.3%)	8 (3.9%)	ns
	History of Liver disease	35 (16.9%)	7 (3.4%)	ns
	History of DVT/PE	16 (7.7%)	2 (1.0%)	ns
	History of Smoking	74 (35.7%)	17 (8.2%)	ns
atients	History of Alcohol use	76 (36.7%)	15 (7.2%)	ns
gnosis to	History of Illicit Drug use	7 (3.4%)	2 (1.0%)	ns
	Personal history of GI tract cancer	14 (6.8%)	6 (2.9%)	ns
ectronic	Family history of GI tract cancer	4 (1.9%)	8 (3.9%)	ns
	Use of NSAIDs	27 (16.8%)	3 (9.1%)	ns
	Use of anticoagulants	49 (23.9%)	12 (5.9%)	ns
SIB and	Use of antiplatelets	25 (27.6%)	14 (42.4%)	ns
	Troponin leak	14 (6.8%)	3 (1.4%)	ns
d organ	AKI	48 (23.2%)	14 (6.8%)	ns
	Antibiotics	32 (15.5%)	4 (1.9%)	ns
)	pRBC transfusion median (IQR)	3 (2,4)	3 (2,4.75)	ns
	Endoscopic intervention	81 (39.1%)	13 (6.3)%)	ns
it (ICU),	No. of patients requiring ICU	63 (30.4%)	8 (3.9%)	ns
	Intubation during hospitalization	15 (7.2%)	0 (0.0%)	ns
day ovulu	Time to scope, mean ± SD (median, IQR)	2.00)	1.72 ± 1.46 (1.0, 1-2)	ns
ey U	Alive at 30 days	142 (68.6%)	29 (14%)	ns
).05 was	90-day readmission due to GI Bleed	l 39 (18.8%)	7 (3.4%)	ns

Table 1: Comparison of baseline characteristics, medical history, end organ damage (troponin leak and AKI), 30-day mortality, and 90-day readmission rates, between the upper GI bleed and lower GI bleed. NS – None significant.

Out of 207 eligible patients, 164 (79.2%) had UGIB, 34 (16.4%) LGIB, and remaining 9 (4.4%) had both. The latter were excluded from the analysis. Table 1 illustrates baseline characteristics and outcomes. We did not observe any significant difference in the conservative treatment (transfusion requirement and antibiotics usage), endoscopic interventions, and time to scope between the two groups (p >0.05). Furthermore, there was no significant difference in no. of patients requiring ICU, hospital LOS, 30-day mortality, and 90-day readmission rates (due to UGIB and LGIB).

Similar clinical outcomes were observed between the UGIB and LGIB patients in our study which is in line with the emerging data. Moreover, no difference was noted in the approach of treatment i.e., conservative and/or endoscopic. Our study also highlights that early endoscopic intervention and higher level of care may not be as necessary in all patients with UGIB.

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### RESULTS

### DISCUSSION