

Supplementary material



Supplementary Figure 1 Appearance of gastric antral vascular ectasia on virtual chromoendoscopy.



Supplementary Figure 2 Appearance of PHG under virtual chromendoscopy.

Supplementary Table 1 Associations of each of the variables with a correct I-Scan diagnosis of portal hypertension gastropathy

	I-Scan PHG diagnosis				<i>P</i> value
	Incorrect (<i>n</i> = 4)		Correct (<i>n</i> = 19)		
Data, <i>n</i> (%)					
Age (median, IQR)	61.5	56 – 64	60.0	56 - 65	0.802
Male Gender	4	100.00	10	52.63	0.127
Caucasian race	3	100.00	12	92.31	1.000
Reason for EGD					1.000
Anemia	0	0.00	1	5.26	
Diagnostic/surveillance	0	0.00	1	5.26	
GI Bleed	1	25.00	3	15.79	
Varices	3	75.00	14	73.68	
Etiology of chronic liver disease					0.007 ¹
Alcohol	3	75.00	0	0.00	
Granulomatous hepatitis	0	0.00	1	5.26	
HBV	0	0.00	1	5.26	
HCV	0	0.00	10	52.63	
HCV, EtOH	0	0.00	1	5.26	
NASH	1	25.00	5	26.32	
PSC	0	0.00	1	5.26	
Portal hypertension	4	100.00	13	68.42	0.539
Porto-Systemic Shunting on CT	0	0.00	1	5.26	1.000
Splenomegaly on CT/US	3	75.00	14	73.68	1.000
Ascites on CT/US					0.210
None/Small volume	2	50.00	15	83.33	
Moderate/Large volume	2	50.00	3	16.67	
Hx on Connective Tissue Disease	0	0.00	1	5.26	1.000

Previous Esophageal Varices	3	75.00	9	47.37	0.590
Previous Gastric Varices	1	25.00	4	21.05	1.000
Dialysis	1	25.00	1	5.26	0.324
Alcohol use in the past 15 d	3	75.00	2	10.53	0.021 ¹
Aspirin use in the past 15 d	2	50.00	5	27.78	0.565
Diuretics	3	75.00	6	33.33	0.264
Beta Blockers	0	0.00	10	55.56	0.096
Iron Therapy	1	25.00	5	27.78	1.000
Positive Melena in the past 3 mo	1	25.00	1	25.00	1.000
Hematemesis in the Past 3 mo	0	0.00	3	15.79	1.000
Hematochezia in the Past 3 mo	0	0.00	2	10.53	1.000
Labs within 3 mo Pre EGD	median	IQR	median	IQR	
Hgb	10.15	9.7–10.4	11.45	9.5–14.3	0.254
MCV	89.45	87.8–95.5	89.15	87.0–90.5	0.607
Platelets	119.00	103.0–140.0	129.00	65.0–157.0	1.000
INR	1.20	1.1–1.2	1.10	1.1–1.3	0.768
NA	141.50	140.0–143.0	139.00	137.0–141.0	0.137
ALT	30.50	19.5–46.0	30.00	25.0–54.0	0.774
AST	51.00	40.0–57.5	47.00	32.0–84.0	0.752
T-Bili	0.85	0.5–1.4	1.70	1.3–2.8	0.037 ¹
ALP	131.50	80.5–190.5	108.00	90.0–133.0	0.897
Albumin	2.50	2.3–3.0	3.30	2.9–3.6	0.247
Ferritin	74.30	74.3–74.3	1231.50	5.0–2458.0	1.000
Creatinine	1.28	0.8–2.1	0.91	0.7–1.2	0.475
PHG on HDWLE EGD, <i>n</i> (%)					
PHG Location					0.004 ¹
Antrum	0	0.00	5	26.32	
Antrum, Body	0	0.00	7	36.84	

Antrum, Body, Fundus	2	50.00	3	15.79	
Body, Fundus	1	25.00	0	0.00	
Fundus	1	25.00	3	15.79	
Body			0	0.00	
PHG Severity					1.000
Mild	3	75.00	13	68.42	
Moderate	1	25.00	3	15.79	
Severe	0	0.00	3	15.79	
PHG Actively Bleeding	1	25.00	0	0.00	0.174
PHG with Stigmata of Previous Bleeding	1	25.00	1	5.26	0.324

¹Indicates significance with $P < 0.05$. Differences between the groups were assessed through the use of Fisher exact tests (categorical variables) or Wilcoxon rank-sum tests (continuous variables), as appropriate.

Supplementary Table 2 Associations of each of the variables with a correct I-Scan diagnosis of gastric antral vascular ectasia

	I-Scan GAVE diagnosis				<i>P</i> value
	Incorrect (<i>n</i> = 4)		Correct (<i>n</i> = 19)		
Meditech data, <i>n</i> (%)					
Age (median, IQR)	60.5	55–67	60.0	56–65	0.979
Male gender	4	100.00	10	52.63	0.127
Caucasian	3	100.00	12	92.31	1.000
Reason for EGD					1.000
Anemia	0	0.00	1	5.26	0.144
Diagnostic/surveillance	0	0.00	1	5.26	
GI Bleed	1	25.00	3	15.79	
Varices	3	75.00	14	73.68	
Etiology of chronic liver disease					
Alcohol	1	25.00	2	10.53	
Granulomatous Hepatitis	1	25.00	0	0.00	
HBV	0	0.00	1	5.26	
HCV	0	0.00	10	52.63	
HCV, EtOH	0	0.00	1	5.26	
NASH	2	50.00	4	21.05	0.539
PSC	0	0.00	1	5.26	
Portal HTN	4	100.00	13	68.42	
Porto-Systemic Shunting on CT	0	0.00	1	5.26	
Splenomegaly on CT/US	4	100.00	13	68.42	0.539
Ascites on CT/US					0.210
None/small volume	2	50.00	15	83.33	0.174
Moderate/large volume	2	50.00	3	16.67	
Hx on Connective Tissue Disease	1	25.00	0	0.00	

Previous Esophageal Varices	3	75.00	9	47.37	0.590
Previous Gastric Varices	2	50.00	3	15.79	0.194
Dialysis	2	50.00	0	0.00	0.024 ¹
Alcohol use in the past 15 d	1	25.00	4	21.05	1.000
Aspirin in the past 15 d	1	25.00	6	33.33	1.000
Diuretics	1	25.00	8	44.44	0.616
Beta Blockers	2	50.00	8	44.44	1.000
Iron Therapy	1	25.00	5	27.78	1.000
Positive Melena in the past 3 mo	1	25.00	3	15.79	1.000
Hematemesis in the Past 3 mo	0	0.00	3	15.79	1.000
Hematochezia in the Past 3 mo	1	25.00	1	5.26	0.324
Labs within 3 mo Pre EGD	median	IQR	median	IQR	
Hgb	9.85	9.0–10.5	11.45	9.8–14.3	0.102
MCV	89.45	87.1–92.4	89.15	87.0–90.5	0.953
Platelets	142.50	114.5–222.5	122.50	65.0–147.0	0.257
INR	1.20	1.1–1.3	1.10	1.1–1.2	0.556
NA	141.50	141.0–143.0	139.00	137.0–41.0	0.052
ALT	25.00	15.0–45.0	32.00	26.0–54.0	0.402
AST	39.00	30.5–55.0	52.00	35.0–84.0	0.281
T-Bili	1.35	0.9–4.3	1.60	1.2–2.6	0.532
ALP	134.50	83.5–183.0	108.00	85.0–133.0	0.829
Albumin	2.50	2.1–3.1	3.30	2.9–3.4	0.328
Ferritin	2458.00	2458.0–2458.0	39.65	5.0–74.3	0.667
Creatinine	2.10	1.3–3.9	0.81	0.7–1.1	0.025 ¹
GAVE on HDWLE EGD, <i>n</i> (%)					
GAVE appearance					1.000
Striped	2	50.00	4	57.14	
Punctate	1	25.00	1	14.29	

Diffuse	1	25.00	2	28.57	
GAVE Actively Bleeding	0	0.00	2	28.57	0.491
GAVE with Stigmata of Previous Bleeding	0	0.00	2	28.57	0.491

¹Indicates significance with $P < 0.05$. Differences between the groups were assessed through the use of Fisher exact tests (categorical variables) or Wilcoxon rank-sum tests (continuous variables), as appropriate. GAVE: Gastric antral vascular ectasia.