Supplemental Figure

Figure S1. Flow of patients. Flow of patients for study inclusion. FLIP – functional luminal imaging probe. HRM – high-resolution manometry. TBE – timed barium esophagram.

Supplemental Table

Table S1. Binary logistic regression for prediction of timed barium esophagram column height >5 cm at 5-minutes. S1A reflects the binary logistic regression model that included the entire cohort (n=329). **S1B** reflects the subgroup analysis that omitted patients with achalasia or absent contractility on high-resolution manometry (n=186); 24/186 (13%) met the threshold for an abnormal TBE. [a]Defined by type II or type III EGJ-morphology on high-resolution manometry.[4] SE – standard error. OR – odds ratio. IRP – integrated relaxation pressure.

S1A – Total Cohort				
	B	**SE**	**OR (95% CI)**	**P**
Age	-0.16	0.01	0.99 (0.97-1.0)	0.093
Female Gender	-0.56	0.30	0.57 (0.32-1.0)	0.061
Hiatal hernia present[a]	1.2	0.44	3.2 (1.3-7.5)	0.009
IRP classification (normal IRP)	--			0.051
Isolated IRP elevation	0.10	0.52	1.1 (0.40-3.1)	0.850
Consistent IRP elevation	0.84	0.43	2.3 (0.99-5.4)	0.051
FLIP-EGJ (Normal EGJ opening)	--			<0.001
Borderline-normal EGJ opening	0.83	0.76	2.3 (0.52-10.0)	0.274
Borderline-reduced EGJ opening	2.5	0.63	11.9 (3.5-41.0)	<0.001
Reduced EGJ opening	3.3	0.57	28.1 (9.1-86.7)	<0.001
Constant	-3.1	0.89	0.04	<0.001

S1B – Subgroup				
	B	**SE**	**OR (95% CI)**	**P**
Age	-0.01	0.02	0.99 (0.96-1.03)	0.675
Female Gender	-1.0	0.56	0.36 (0.12-1.1)	0.070
Hiatal hernia present[a]	1.1	0.73	2.9 (0.70-12.2)	0.141
IRP classification (normal IRP)	--			0.933
Isolated IRP elevation	-0.08	0.89	0.93 (0.16-5.2)	0.93
Consistent IRP elevation	-0.25	0.70	0.78 (0.20-3.1)	0.782
FLIP-EGJ (Normal EGJ opening)	--			<0.001
Borderline-normal EGJ opening	0.69	1.5	2.0 (0.11-34.1)	0.637
Borderline-reduced EGJ opening	1.3	1.5	3.7 (0.21-66.1)	0.376
Reduced EGJ opening	4.0	1.1	56.9 (6.4-504)	<0.001
Constant	-4.1	1.6	0.02	0.008