

Supplementary Table1. Short-term outcome of percutaneous endoscopic gastrostomy.

Number of patients, n (%)	1534 (100)
Technical success, n (%)	1482 (96.6)
Major adverse events, n (%)	64 (4.17)
Hemorrhage requiring transfusion	8 (0.52)
Infection of gastrostomy	13 (0.85)
Aspiration pneumonia	21 (1.37)
Peritonitis	7 (0.46)
Perforation of colon	3 (0.20)

Supplementary Table 2. Comorbidities in patients who underwent percutaneous endoscopic gastrostomy.

Variable	Total	Survival at 30 days	Death at 30 days	P-value
Number of patients, n (%)	1395 (100)	1291 (100)	104 (100)	
Primary indication, n (%)				
Cerebrovascular disease	560 (40.1)	528 (40.9)	32 (30.8)	0.043
Aspiration pneumonia	213 (15.3)	187 (14.5)	26 (25.0)	0.004
Neurodegenerative disease	161 (11.5)	157 (12.2)	4 (3.8)	0.011
Head, neck, and esophageal cancer	108 (7.7)	96 (7.4)	12 (11.5)	0.132
Metabolic brain disease	86 (6.2)	81 (6.3)	5 (4.8)	0.544
Dementia	66 (4.7)	63 (4.9)	3 (2.9)	0.357
Malignancy (except head, neck, and esophageal cancer)	45 (3.2)	34 (2.6)	11 (10.6)	<0.001
Psychiatric disease	34 (2.4)	34 (2.6)	0 (0)	0.094
Cardiovascular disease	31 (2.2)	29 (2.2)	2 (1.9)	0.83
Traumatic disease	30 (2.2)	29 (2.3)	1 (1.0)	0.383
Infectious disease	20 (1.4)	18 (1.4)	2 (1.9)	0.666
Other diseases	41 (2.9)	35 (2.7)	6 (5.8)	0.076
CCI				
Total score, mean (SD)	3.81 (1.99)	3.69 (1.89)	5.31 (2.57)	<0.001
Number of comorbidities in CCI, mean (SD)	2.49 (1.28)	2.42 (1.24)	3.31 (1.44)	<0.001
Affected organ system or disorder, n (%)				
Myocardial infarct	125 (9.0)	116 (9.0)	9 (8.7)	0.909
Congestive heart failure	266 (19.1)	230 (17.9)	36 (24.6)	<0.001
Peripheral vascular disease	153 (11.0)	134 (10.4)	19 (18.3)	0.013
Cerebrovascular disease without paralysis	84 (6.0)	75 (5.8)	9 (8.7)	0.241
Dementia	380 (27.2)	343 (26.6)	37 (35.6)	0.047
Chronic pulmonary disease	545 (39.1)	486 (37.6)	59 (56.7)	<0.001
Connective tissue disease	45 (3.2)	37 (2.9)	8 (7.7)	0.007
Ulcer disease	108 (7.7)	96 (7.4)	12 (11.5)	0.132
Mild liver disease	134 (9.6)	118 (9.1)	16 (15.4)	0.038
Diabetes	78 (5.6)	70 (5.4)	8 (7.7)	0.332
Hemiplegia	980 (70.3)	913 (70.7)	67 (64.4)	0.177
Moderate to severe renal disease (Creatine $\geq$ 3)	42 (3.0)	37 (2.9)	5 (4.8)	0.265
Diabetes with end organ damage	200 (14.3)	185 (14.3)	15 (14.4)	0.979
Tumor without metastasis	224 (16.1)	203 (15.7)	21 (20.2)	0.233
Leukemia	15 (1.1)	15 (1.2)	0 (0)	0.269
Lymphoma	14 (1.0)	12 (0.9)	2 (1.9)	0.328
Moderate to severe liver disease	7 (0.5)	5 (0.4)	2 (1.9)	0.033
Metastatic solid tumor	73 (5.2)	54 (4.2)	19 (18.3)	<0.001
AIDS	0 (0)	0 (0)	0 (0)	

CIRS				
Total score, mean (SD)	10.8 (4.1)	10.5 (3.8)	15.5 (4.7)	<0.001
Number of comorbidities in CIRS, mean (SD)	4.03 (1.68)	3.89 (1.59)	5.77 (1.81)	<0.001
Affected organ system or disorder, n (%)				
Cardiac	497 (35.6)	445 (34.5)	52 (50.0)	0.001
Vascular	675 (48.4)	610 (47.3)	65 (62.5)	0.003
Hematological	483 (34.6)	428 (33.2)	55 (52.9)	<0.001
Respiratory	727 (52.1)	640 (49.6)	87 (83.7)	<0.001
Eye, ear, throat, or larynx	129 (9.2)	109 (8.4)	20 (19.2)	<0.001
Upper gastrointestinal	178 (12.8)	157 (12.2)	21 (20.2)	0.018
Lower gastrointestinal	188 (13.5)	163 (12.6)	25 (24.0)	0.001
Hepatobiliary and pancreas	234 (16.8)	202 (15.6)	32 (30.8)	<0.001
Renal	123 (8.8)	106 (8.2)	17 (16.3)	0.005
Genitourinary	234 (16.8)	207 (16.0)	27 (26.0)	0.009
Musculoskeletal	413 (29.6)	373 (28.9)	40 (38.5)	0.04
Neurologic	1138 (81.6)	1048 (81.2)	90 (86.5)	0.175
Endocrine or metabolic	444 (31.8)	388 (30.1)	56 (53.8)	<0.001
Psychiatric	157 (11.3)	144 (11.2)	13 (12.5)	0.676

Abbreviations: AIDS, acquired immunodeficiency syndrome; CCI, Charlson comorbidity index; CIRS, cumulative illness rating scale; SD, standard deviation.

Supplementary Figure

