

Supplement Table 19. Summary of clinical outcomes comparing post-pyloric versus gastric enteral nutrition in critically ill adult patients (KQ8)

Study (year)	Group	Total No	ICU mortality (n)	In-hospital mortality (n)	28-day mortality (n)	30-day mortality (n)	ICU LOS (day)	MV duration (day)	Hospital LOS (day)	VAP (n)	Pneumonia (n)	Aspiration (n)	Abdominal distention (n)	Feeding intolerance (n)	Vomiting (n)	Diarrhea (n)
Acosta-Escribano, 2010 [89]	Gastric	54				9	18±7	8.9±4	41±28	31		2	2	10	18	8
	Post-pyloric	50				6	16±9	7.3±4	38±24	16		0	0	3	14	4
Davies, 2012 [90]	Gastric	89		12			12.7±8.9 ^a	9.7±6.3 ^a	27.4±21.1 ^a	19		4	18	8	27	27
	Post-pyloric	91		13			12.5±8.6 ^a	9.8±6.2 ^a	28.8±26.1 ^a	18		5	16	0	30	26
Huang, 2012 [91]	Gastric	51		17/48 ^b			16.9±9.1									
	Post-pyloric	50		20/48 ^b			17.2 ±11.4									
Friedman, 2015[92]	Gastric	61	22		22		12±8.88 ^{a,c}	7.71±7.59 ^a			12				18	11
	Post-pyloric	54	20		20		10±10.37 ^{a,c}	5.77±6.85 ^a			13				14	15
Wan, 2015 [93]	Gastric	35					17.1 (1.0)	8.5 (0.5)			10 ^d				14 ^e	10
	Post-pyloric	35					12.2 (0.7)	5.2 (0.3)			0 ^d				1 ^e	9
Taylor, 2016 [94]	Gastric	25		4	4			10±6.95 ^c		4					5	2
	Post-pyloric	25		4	4			8.28±5.01 ^c		2					3	0
Zhu, 2018 [95]	Gastric	71	40	43			19.25±16.44 ^a	15.1±15.6 ^a	21.9±20.18 ^a	18			33		29	4
	Post-pyloric	70	32	37			16.76±11.36 ^a	12.09±8.81 ^a	21.06±12.81 ^a	8			18		12	6
O’Keefe, 2023 [96]	Gastric	11		0			7 ^f		19 ^f						3	
	Post-pyloric	14		3			18 ^f		30 ^f						5	

ICU, intensive care unit; LOS, length of stay; MV, mechanical ventilation; VAP, ventilator-associated pneumonia.

^aMedian (interquartile range [IQR]); converted to mean (standard deviation) using Wan et al. (2014); ^bHospital mortality was reported for 48 patients in each group in the original study; the reasons for exclusion of the remaining participants were not clearly specified by the authors; ^cOutcome data not reported in the original trial publication but presented in the supplemental materials of the ESPEN 2019 guideline, which obtained the data directly from the study authors; ^dThese data were reported as aspiration pneumonitis; ^eThese data were reported as reflux; ^fValues are presented as medians without IQR.

