

Figure S1 Funnel plot of length of hospital stay. CI, confidence interval.

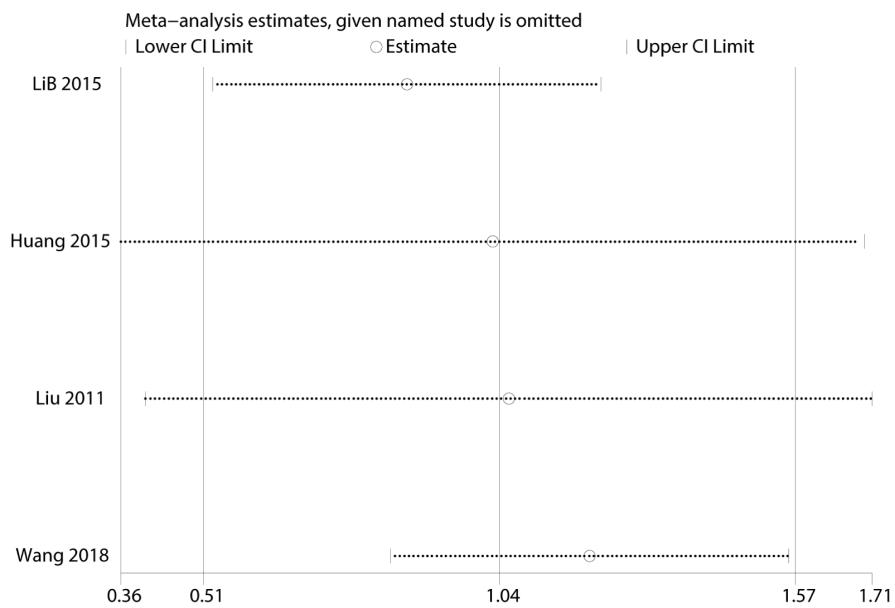
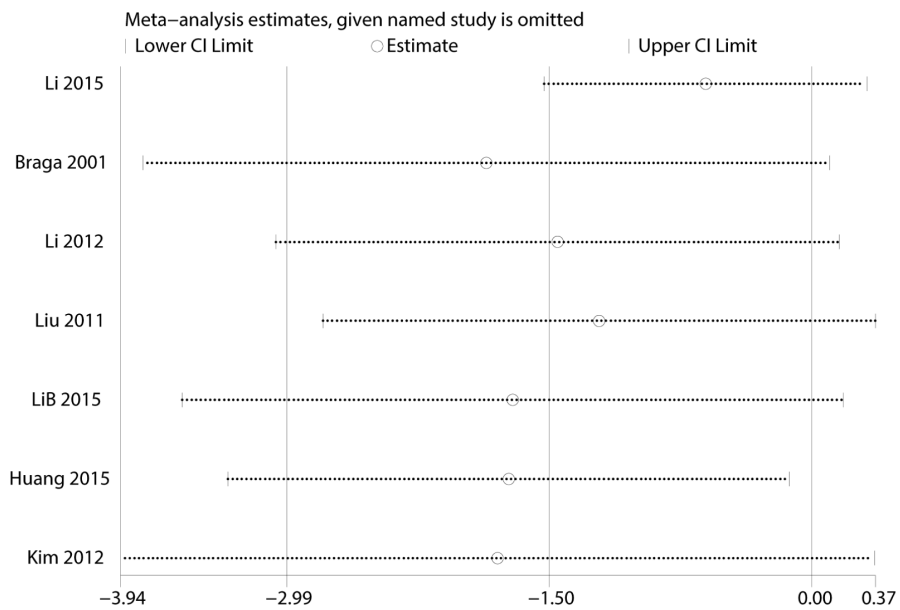
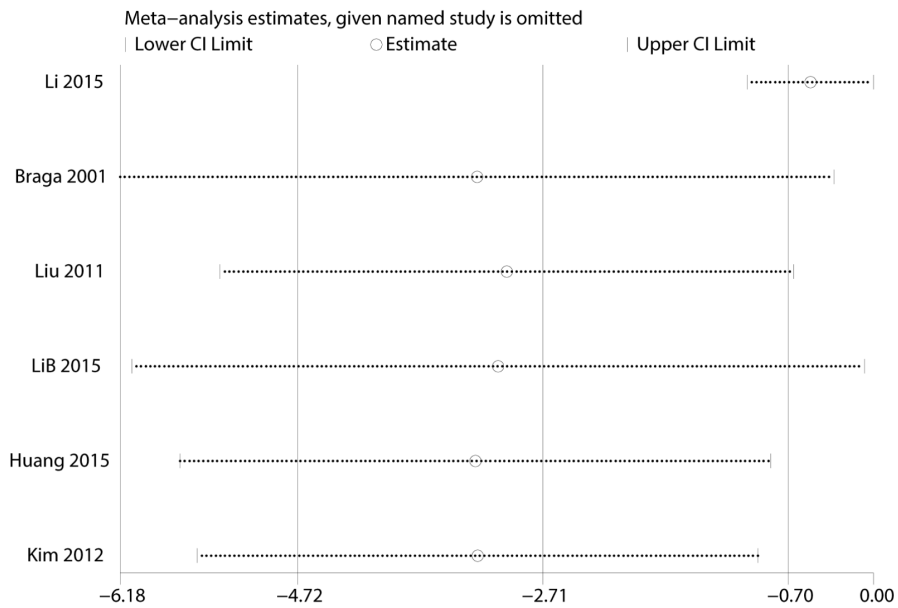


Figure S2 Funnel plot of anal exhaust time. CI, confidence interval.



**Figure S3** Funnel plot of albumin level. CI, confidence interval.



**Figure S4** Funnel plot of prealbumin level. CI, confidence interval.

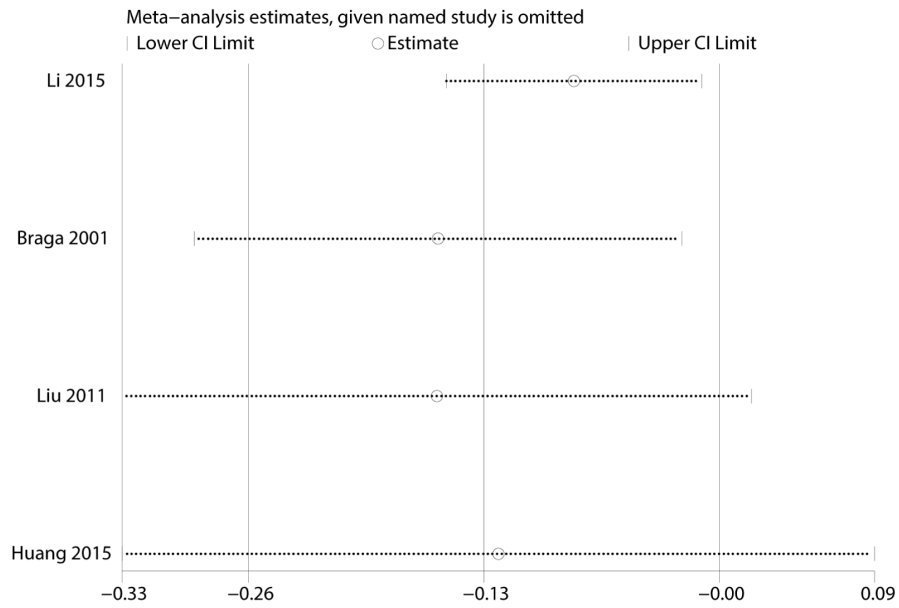


Figure S5 Funnel plot of CD4/CD8 ratio. CI, confidence interval.

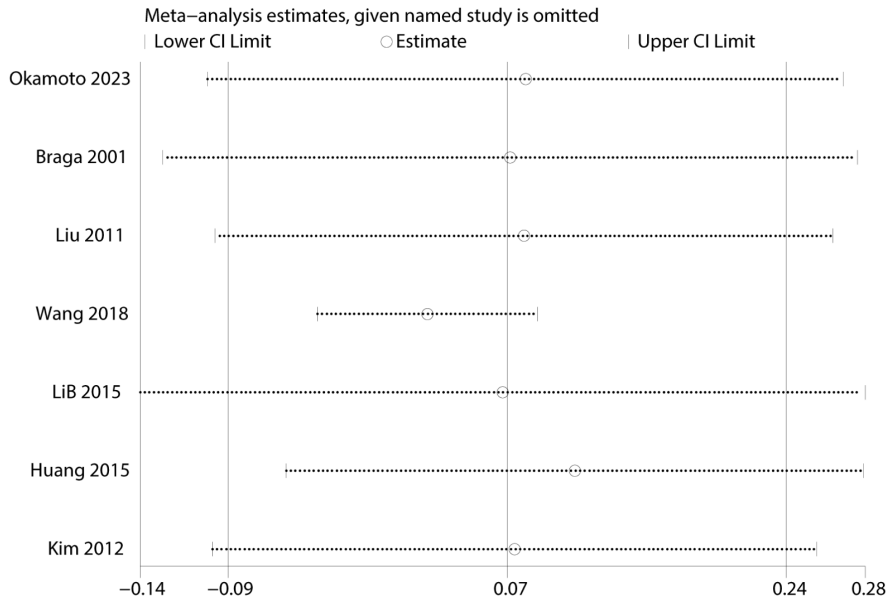


Figure S6 Funnel plot of adverse events. CI, confidence interval.

**Table S1** Search strategies

PubMed	Search strategy	Numbers
Patient	#1 "Stomach Neoplasms"[Mesh]	118,893
	#2 (Neoplasm, Stomach) OR (Stomach Neoplasm) OR (Neoplasms, Stomach) OR (Gastric Neoplasms) OR (Gastric Neoplasm) OR (Neoplasm, Gastric) OR (Neoplasms, Gastric) OR (Cancer of Stomach) OR (Stomach Cancers) OR (Gastric Cancer) OR (Cancer, Gastric) OR (Cancers, Gastric) OR (Gastric Cancers) OR (Stomach Cancer) OR (Cancer, Stomach) OR (Cancers, Stomach) OR (Cancer of the Stomach) OR (Gastric Cancer, Familial Diffuse)	194,426
	#3 #1 OR #2	194,426
Intervention	#4 ("Parenteral Nutrition, Total"[Mesh]) OR ((Parenteral Hyperalimentation) OR (Total Parenteral Nutrition) OR (Hyperalimentation, Parenteral) OR (Nutrition, Total Parenteral) OR (Intravenous Hyperalimentation) OR (Hyperalimentation, Intravenous))	19,099
	#5 ("Parenteral Nutrition"[Mesh]) OR ((Nutrition, Parenteral) OR (Parenteral Feeding) OR (Feeding, Parenteral) OR (Feedings, Parenteral) OR (Parenteral Feedings) OR (Intravenous Feeding) OR (Feeding, Intravenous) OR (Feedings, Intravenous) OR (Intravenous Feedings))	42,588
	#6 ("Parenteral Nutrition, Home Total"[Mesh]) OR ((Home Total Parenteral Nutrition) OR (Total Parenteral Nutrition, Home) OR (Home Parenteral Nutrition, Total) OR (Nutrition, Home Total Parenteral))	1,367
	#7 ("Parenteral Nutrition, Home"[Mesh]) OR ((Home Parenteral Nutrition) OR (Nutrition, Home Parenteral) OR (Home Parenteral Feeding) OR (Feeding, Home Parenteral) OR (Parenteral Feeding, Home))	3,391
	#8 #4 OR #5 OR #6 OR #7	42,922
P+I	#9 #3 AND #8	650
Study type	#10 (randomized controlled trial[pt] OR controlled clinical trial[pt] OR randomized[tiab] OR placebo[tiab] OR clinical trials as topic[mesh:noexp] OR randomly[tiab] OR trial[ti] NOT (animals[rh] NOT humans [mh]))	1,585,788
	#11 #9 AND #10	127
Web of science	Search strategy	Numbers
Patient	#1 TS=(Neoplasm, Stomach) OR TS=(Stomach Neoplasm) OR TS=(Neoplasms, Stomach) OR TS=(Gastric Neoplasms) OR TS=(Gastric Neoplasm) OR TS=(Neoplasm, Gastric) OR TS=(Neoplasms, Gastric) OR TS=(Cancer of Stomach) OR TS=(Stomach Cancers) OR TS=(Gastric Cancer) OR TS=(Cancer, Gastric) OR TS=(Cancers, Gastric) OR TS=(Gastric Cancers) OR TS=(Stomach Cancer) OR TS=(Cancer, Stomach) OR TS=(Cancers, Stomach) OR TS=(Cancer of the Stomach) OR TS=(Gastric Cancer, Familial Diffuse)	160,784
Intervention	#2 TS=(Parenteral Hyperalimentation) OR TS=(Total Parenteral Nutrition) OR TS=(Hyperalimentation, Parenteral) OR TS=(Nutrition, Total Parenteral) OR TS=(Intravenous Hyperalimentation) OR TS=(Hyperalimentation, Intravenous)	13,199
	#3 TS=(Nutrition, Parenteral) OR TS=(Parenteral Feeding) OR TS=(Feeding, Parenteral) OR TS=(Feedings, Parenteral) OR TS=(Parenteral Feedings) OR TS=(Intravenous Feeding) OR TS=(Feeding, Intravenous) OR TS=(Feedings, Intravenous) OR TS=(Intravenous Feedings)	32,473
	#4 TS=(Home Total Parenteral Nutrition) OR TS=(Total Parenteral Nutrition, Home) OR TS=(Home Parenteral Nutrition, Total) OR TS=(Nutrition, Home Total Parenteral)	901
	#5 TS=(Home Parenteral Nutrition) OR TS=(Nutrition, Home Parenteral) OR TS=(Home Parenteral Feeding) OR TS=(Feeding, Home Parenteral) OR TS=(Parenteral Feeding, Home)	3,121
	#6 #2 OR #3 OR #4 OR #5	32,632
P+I	#7 #1 AND #6	438
Study type	#8 TS=(randomized controlled trial) OR TS=(controlled clinical trial) OR TS=(randomized) OR TS=(placebo) OR TS=(clinical trials as topic) OR TS=(randomly)	1,901,225
	#9 #8 AND #7	140
Embase	Search strategy	Numbers

Patient	#1 'stomach tumor'/exp	225,759
	#2 'gastric tumor' OR 'gastric tumour' OR 'mucosa tumor, stomach' OR 'mucosa tumour, stomach' OR 'stomach mucosa tumor' OR 'stomach mucosa tumour' OR 'stomach neoplasia' OR 'stomach neoplasm' OR 'stomach neoplasms' OR 'stomach tumour' OR 'stomach ulcerated tumor' OR 'stomach ulcerated tumour' OR 'stomach ulcerating tumor' OR 'stomach ulcerating tumour' OR 'tumor, stomach mucosa' OR 'tumour, stomach mucosa'	10,871
	#3 #1 OR #2	226,361
Intervention	#4 'total parenteral nutrition'/exp OR 'parenteral nutrition, home total' OR 'parenteral nutrition, total' OR 'total parenteral feeding'	18,942
	#5 'parenteral nutrition'/exp OR 'hyperalimentation, parenteral' OR 'parenteral alimentation' OR 'parenteral feeding' OR 'parenteral fluid' OR 'parenteral hyperalimentation'	65,698
	#6 'home parenteral nutrition'/exp OR 'parenteral nutrition, home'	1,581
	#7 #4 OR #5 OR #6	65,702
P+I	#8 #3 AND #7	726
Study type	#9 'clinical trial'/de OR 'randomized controlled trial'/de OR 'randomization'/de OR 'single blind procedure'/de OR 'double blind procedure'/de OR 'crossover procedure'/de OR 'placebo'/de OR 'prospective study'/de OR 'randomi?ed controlled' NEXT/1 trial* OR rct OR 'randomly allocated' OR 'allocated randomly' OR 'random allocation' OR allocated NEAR/2 random OR single NEXT/1 blind* OR double NEXT/1 blind* OR (treble OR triple) NEAR/1 blind* OR placebo*	3,756,208
	#10 #8 AND #9	163

Cochrane	Search strategy	Numbers
Patient	#1 MeSH descriptor: [Stomach Neoplasms] explode all trees	4,203
	#2 (Neoplasm, Stomach) OR (Stomach Neoplasm) OR (Neoplasms, Stomach) OR (Gastric Neoplasms) OR (Gastric Neoplasm) OR (Neoplasm, Gastric) OR (Neoplasms, Gastric) OR (Cancer of Stomach) OR (Stomach Cancers) OR (Gastric Cancer) OR (Cancer, Gastric) OR (Cancers, Gastric) OR (Gastric Cancers) OR (Stomach Cancer) OR (Cancer, Stomach) OR (Cancers, Stomach) OR (Cancer of the Stomach) OR (Gastric Cancer, Familial Diffuse)	13,511
	#3 #1 OR #2	13,511
Intervention	#4 MeSH descriptor: [Parenteral Nutrition, Total] explode all trees	868
	#5 (Parenteral Hyperalimentation) OR (Total Parenteral Nutrition) OR (Hyperalimentation, Parenteral) OR (Nutrition, Total Parenteral) OR (Intravenous Hyperalimentation) OR (Hyperalimentation, Intravenous)	3,060
	#6 #4 OR #5	3,060
	#7 MeSH descriptor: [Parenteral Nutrition] explode all trees	1,984
	#8 (Nutrition, Parenteral) OR (Parenteral Feeding) OR (Feeding, Parenteral) OR (Feedings, Parenteral) OR (Parenteral Feedings) OR (Intravenous Feeding) OR (Feeding, Intravenous) OR (Feedings, Intravenous) OR (Intravenous Feedings)	7,786
	#9 #7 OR #8	7,786
	#10 MeSH descriptor: [Parenteral Nutrition, Home Total] explode all trees	5
	#11 (Home Total Parenteral Nutrition) OR (Total Parenteral Nutrition, Home) OR (Home Parenteral Nutrition, Total) OR (Nutrition, Home Total Parenteral)	199
	#12 #10 OR #11	199
	#13 MeSH descriptor: [Parenteral Nutrition, Home] explode all trees	51
	#14 (Home Parenteral Nutrition) OR (Nutrition, Home Parenteral) OR (Home Parenteral Feeding) OR (Feeding, Home Parenteral) OR (Parenteral Feeding, Home)	373
	#15 #13 OR #14	373
	#16 #6 OR #9 OR #12 OR #15	7,804
	P+I #17 #3 AND #16	274