

Supplement Table 37. Summary of clinical outcomes from randomized controlled trials comparing early versus delayed parenteral nutrition in critically ill adult patients (KQ14)

Study	Group	Mortality, No., (%) ICU hospital 60/90 d	LOS (day) ICU hospital mean/median (IQR)	Infection, No., (%)	Organ failure ^a , No., (%)	Hypoglycemia, No., (%)	Quality of life
Casaer et al., 2011 [50]	EPN (n=2,312)	146 (6.3) 251 (10.9)/255 (11.2)	4 (2 to 9)/ 16 (9 to 29)	605 (26.2)	Modified RIFLE 131 (5.8) (n=2248)	45 (1.9)	Distance on 6-min walk test ^b , (m) 283 (205–336) (n=603)
	LPN (n=2,328)	141 (6.1) 242 (10.4)/257 (11.2)	3 (3 to 7)/ 14 (9 to 27)	531 (22.8)	Modified RIFLE 104 (4.6) (n=2264)	81 (3.5)	Distance on 6-min walk test, (m) 277 (210 to 345) (n=624)
Doig et al., 2013 [186]	EPN (n=686)	81 (11.9) 140 (20.6)/145 (21.5)	8.6 (8.2 to 9.0)/ 25.4 (24.4 26.6)	78 (11.4)	Mean (95% CI) 1.42 (1.39 to 1.46)	-	RAND-36 general health status ^c 49.8 (27.6) (n=525)
	Standard care (n=686)	100 (14.7) 151 (22.1)/155 (22.8)	9.3 (8.9 to 9.7)/ 24.7 (23.7 to 25.8)	74 (10.9)	Mean (95% CI) 1.47 (1.44 to 1.51)	-	RAND-36 general health status ^c 45.5 (26.8) (n=516)

ICU, intensive care unit; LOS, length of stay; IQR, interquartile range; EPN, early parenteral nutrition; LPN, late parenteral nutrition; CI, confidence interval.

^aOrgan failure was defined using the following measures: renal failure, creatinine >2.0 mg/dL; pulmonary failure, PaO₂:FiO₂ ratio <301; hepatic failure, total bilirubin >2.0 mg/dL; coagulation failure, platelets <81×10⁹/L; cardiovascular failure, systolic blood pressure <90 mmHg, not fluid responsive; MODs, ≥2 organ system failures on the same day. The modified RIFLE classification was used to define new kidney injury or failure as at least a doubling of the creatinine level at admission.

^bDistance on 6-min walk test: functional status at hospital discharge; ^cRAND-36 general health status; scored on a scale from 0 to100, with higher scores indicating better general health status.

