Author(s):
Question: High dose micronutrients or antioxidant supplementation compared to usual care for critically ill adult patients
Setting:
Bibliography:

Certainty assessment							№ of patients		Effect		Certainty	Importance
№ of studies	Study design	Risk of bias	Inconsistency	Indirectness	Imprecision	Other considerations	high dose micronutrients or antioxidant supplementation	usual care	Relative (95% CI)	Absolute (95% CI)		
ICU mortality												
14	randomised trials	not serious	not serious[a]	not serious	serious[b]	none	162/586 (27.6%)	163/584 (27.9%)	**RR 0.99** (0.83 to 1.19)	**3 fewer per 1,000** (from 47 fewer to 53 more)	⨁⨁⨁◯ Moderate[a,b]	CRITICAL
28/30 D mortality												
42	randomised trials	not serious	serious[a]	not serious	not serious	none	1290/5277 (24.4%)	1153/4745 (24.3%)	**RR 0.91** (0.82 to 1.00)	**22 fewer per 1,000** (from 44 fewer to 0 fewer)	⨁⨁⨁◯ Moderate[a]	CRITICAL
Nosocomial infection												
11	randomised trials	not serious	not serious	not serious	not serious[c]	none	703/2325 (30.2%)	745/2314 (32.2%)	**RR 0.95** (0.88 to 1.02)	**16 fewer per 1,000** (from 39 fewer to 6 more)	⨁⨁⨁⨁ High[c]	IMPORTANT
pneumonia												
11	randomised trials	not serious	not serious	not serious	serious[a]	none	116/907 (12.8%)	184/884 (20.8%)	**RR 0.61** (0.46 to 0.81)	**81 fewer per 1,000** (from 112 fewer to 40 fewer)	⨁⨁⨁◯ Moderate[a]	IMPORTANT
AKI												
17	randomised trials	not serious	not serious	not serious	serious[c]	none	451/1555 (29.0%)	490/1576 (31.1%)	**RR 0.92** (0.81 to 1.04)	**25 fewer per 1,000** (from 59 fewer to 12 more)	⨁⨁⨁◯ Moderate[c]	IMPORTANT
New RRT												
12	randomised trials	not serious	not serious	not serious	serious[c]	none	121/1411 (8.6%)	117/1414 (8.3%)	**RR 0.99** (0.66 to 1.48)	**1 fewer per 1,000** (from 28 fewer to 40 more)	⨁⨁⨁◯ Moderate[c]	IMPORTANT

CI: confidence interval; **MD:** mean difference; **RR:** risk ratio

Supplement Fig. 29. GRADE Summary of Findings generated using GRADEpro GDT for micronutrient and antioxidant supplementation in critically ill adults (KQ16).