

Supplement Table 47. Characteristics of randomized controlled trials evaluating anti-inflammatory lipid-containing enteral nutrition formulations in patients with ARDS and ALI (KQ19)

Study, year	Country	Subjects, n, T/C	Mean age (yr)	Underlying diseases	Duration of study	Type of intervention in control group	Outcome measured
Shirai, 2015 [135]	Japan	20/20	72.5	Sepsis-induced ARDS	14	Ensure Liquid, Abbott Nutrition, Tokyo, Japan	Duration of ICU stay, level of oxygenation, duration of mechanical ventilation, ICU-free days, ventilator-free days, SOFA and MOD scores, 60 days mortality
Stapleton, 2011 [139]	US	41/49	50	ALI	14	Placebo capsules (soybean oil), standard ICU nutrition	Ventilator-free days, ICU-free days, organ failure score, 60-day mortality
Rice, 2011 [301]	US	143/129	59	ALI	28	Isocaloric-isovolumic carbohydrate-rich control	Duration of ICU stay, ICU-free days, ventilator-free days, 60 days mortality
Grau-Carmona 2011 [302]	Spain	44/48	63	Septic patients with ALI or ARDS on MV	28 (≤ ICU stay period follow-up to 28 days)	Standard isocaloric, isonitrogenous enteral formula (Ensure Plus HN, Abbott Labs, Madrid) vs. EPA + GLA + antioxidant diet (Oxepa, Abbott Labs, Madrid)	SOFA score, PaO ₂ /FiO ₂ ratio, mechanical-ventilation days, nosocomial infections, ICU LOS, 28-day mortality
Elamin, 2012 [303]	US	9/8	53.3	Medical-Surgical Patients with ARDS	7	Pulmocare, Ross Labs, Chicago, Illinois, United States	Duration of ICU stay, level of oxygenation, duration of mechanical ventilation, SOFA and MOD scores, 28 days mortality
Parish, 2014 [304]	Iran	30/30	46	ARDS	7	Standard enteral nutrition without omega-3 supplementation	ICU stay duration, PaO ₂ /FiO ₂ ratio, vent free days, 28-day mortality

ARDS, acute respiratory distress syndrome; ALI, acute lung injury; DHA, docosahexaenoic acid; EPA, eicosapentaenoic acid; GLA, gamma-linolenic acid; ICU, intensive care unit; LOS, length of stay; MODS, multiple organ dysfunction syndrome; PaO₂/FiO₂, ratio of arterial oxygen partial pressure to fraction of inspired oxygen; RCT, randomized controlled trial; SOFA, Sequential Organ Failure Assessment; T/C, treatment/control.

