Resource Summary Report

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Efficacy and Mechanisms of Glutamine Dipeptide in the Surgical Intensive Care Unit

RRID:SCR_006806
Type: Tool

Proper Citation

Efficacy and Mechanisms of Glutamine Dipeptide in the Surgical Intensive Care Unit (RRID:SCR_006806)

Resource Information

URL: http://clinicaltrials.gov/ct2/show/study/NCT00248638

Proper Citation: Efficacy and Mechanisms of Glutamine Dipeptide in the Surgical Intensive Care Unit (RRID:SCR_006806)

Description: Multi-center, double-blind, placebo-controlled, intent-to-treat Phase III trial, designed to determine the effect of parenteral glutamine (GLN) dipeptide on important clinical outcomes in patients requiring surgical intensive care unit (SICU) care and parenteral nutrition (PN) after cardiac, vascular, or intestinal surgery. Patients who required PN and SICU care will receive either standard glutamine (GLN)-free PN (STD-PN) or isocaloric, isonitrogenous alanyl-glutamine dipeptide (AG)-PN until enteral feedings are established. The study will determine whether AG-PN decreases hospital mortality, nosocomial infection and other important indices of morbidity and will obtain mechanistically relevant observational data in the subjects on whether AG-PN a) increases serial blood concentrations of glutathione (GSH), heat shock proteins (HSP)-70 and -27, and glutamine; b) decreases the serum presence of the bacterial products flagellin and lipopolysaccharide (LPS) and the adaptive immune response to these mediators; and c) improves key indices of innate and adaptive immunity.

Abbreviations: GLND

Synonyms: Phase III Study on the Efficacy of Glutamine Dipeptide-Supplemented Parenteral Nutrition in Surgical ICU Patients, Efficacy and Mechanisms of GLN Dipeptide in the SICU, Efficacy and Mechanisms of GLN Dipeptide in the SICU (GLND), GLND trial

Resource Type: resource, clinical trial

Defining Citation: PMID:18596310

Keywords: parenteral nutrition, glutamine, glutamine dipeptide, clinical, outcome, adult human, mortality, nosocomial infection, immune cell function, hospital morbidity, morbidity, intensive care

Related Condition: Critical illness

Funding: NIDDK U01DK069322

Resource Name: Efficacy and Mechanisms of Glutamine Dipeptide in the Surgical Intensive Care Unit

Resource ID: SCR_006806

Alternate IDs: nlx_152823

Old URLs: http://www.sph.emory.edu/GLND

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Ratings and Alerts

No rating or validation information has been found for Efficacy and Mechanisms of Glutamine Dipeptide in the Surgical Intensive Care Unit .

No alerts have been found for Efficacy and Mechanisms of Glutamine Dipeptide in the Surgical Intensive Care Unit .

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We have not found any literature mentions for this resource.