



# ENRICHMENT OF PERSONALIZED PARENTERAL ARTIFICIAL NUTRITION WITH SMOF LIPIDS AND ARGININE IN COMPLICATED PATIENTS UNDERGOING MAJOR ABDOMINAL SURGERY

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## Background

Personalizing artificial nutrition is now scientifically proven to be one of its cornerstones, and it is fundamentally codifying it, especially since mortality seems to be comparable in patients undergoing enteral and / or parenteral nutrition, with the same quality of nutrients and the right amount of calories.

## Case report

We treated 10 patients undergoing elective major abdominal surgery, initial MUST > 2, septic complications in the postoperative predominantly surgical, assessment of needs with the Harris-Benedict formula and calculation of catabolism with 24-hour urine collection for azoturia.

Patients were treated with personalized galenic bags and always enriched with SMOF lipids and 5g of Arginine, we almost always used branched amino acids.

## Conclusions

Better immunological response, we took leukocytes, lymphocytes, interleukin 6, PCR, lactates as parameters, the patient also showed an improved clinical response, and greater hemodynamic stability.

## Bibliography

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*ISSN:2374-4448*

*Enliven Archive | [www.enlivenarchive.org](http://www.enlivenarchive.org) 1 2014 | Volume 1 | Issue*

*Parenteral or Enteral Arginine Supplementation*

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