

ABSTRACT

Objective: ~~Although perioperative~~ Perioperative immune-enhancing enteral formula (IEEF) ~~effectively~~ reduces ~~the~~ ~~is effective to decrease~~ rate of ~~infectious~~ complications ~~that are infective, but~~ whether ~~the~~ ~~its~~ chronic use of IEEF ~~is~~ ~~are~~ beneficial ~~is~~ ~~remains unknown~~ ~~not known to us~~. A prospective ~~Prospective~~ randomized clinical trial was ~~performed~~ ~~undertaken~~. ~~This was done in order~~ to examine ~~the~~ safety and ~~effectiveness~~ ~~impact~~ of ~~the~~ long-term IEEF on the ~~nutritional~~ ~~nutrition condition~~ and immunological status of ~~nonsurgical~~ ~~in non-surgery~~ patients ~~receiving~~ ~~under~~ total enteral nutrition through ~~the~~ gastrostomy access route. ~~A total of 30 patients was randomly assigned to two groups.~~

Comment [A1]: A singular subject must be accompanied by a singular verb. Here, the subject is "chronic use." Therefore, the verb has been revised to "is."

Methods: ~~This study involved 30 patients who were randomly divided into two~~ ~~Two~~ groups, ~~receiving~~ ~~received~~ total enteral nutrition ~~either~~ with ~~IEEF immune enhancing enteral formula~~ (Group IEEF, ~~n~~ = 15) or ~~with~~ regular polymeric enteral formula (Group C, ~~n~~ = ~~15~~14) for 12 weeks. ~~Nutritional~~ ~~Nutrition~~ and immunological parameters were ~~periodically~~ ~~examined~~ ~~periodically~~.

Comment [A2]: The text alongside has been moved from Objectives to Methods as it pertains to the study participants and groups. Such information is generally provided in the Methods section.

Comment [A3]: Abbreviations are defined at their first mention in the text and the abbreviated form is used consistently at all subsequent instances.

Comment [A4]: Spaces are generally inserted before and after arithmetic symbols.

Results: ~~The serum levels~~ ~~A significant increase of serum levels~~ of ~~insulin-like~~ growth factor ~~1~~ (~~similar to insulin, IGF-1~~) ~~significantly increased~~, ~~was noted~~ in Group IEEF throughout the ~~course of the~~ study. ~~Furthermore, the~~ ~~While~~ serum ~~levels~~ ~~level~~ of dihomo- γ -linoleic acid ~~in Group IEEF was~~ significantly decreased ~~and those, serum levels~~ of ~~eicosapentaenoic~~ ~~eicosa-pentaenoic acid~~ and ~~docosahexaenoic~~ ~~doehsa hexaenoic acid~~ ~~were significantly increased~~ ~~as well as those of~~ ~~Serum~~ arginine and ornithine ~~concentrations in Group IEEF were significantly increased~~ ~~significantly increased in Group IEEF~~. ~~No significant difference was noted in the~~ CD4/CD8 ratio and NK cell activity ~~between the two groups~~ ~~were~~ ~~observed in Group IEEF, but the difference was not significant~~. ~~The~~ ~~A significant increase of~~ B-cell fraction ~~significantly increased, while~~ ~~and the~~ ~~the decrease of~~ T-cell fraction of peripheral lymphocytes

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significantly decreased ~~were observed~~ in Group IEEF. ~~No~~ ~~There was no~~ infectious ~~and~~ ~~noninfectious~~ ~~non-infectious~~ complications occurred during the study period in ~~either group~~ ~~both groups~~, except for a significant increase in ~~the~~ serum ~~levels of blood urea nitrogen~~ ~~BUN~~ and uric acid ~~concentration~~.

Comment [A5]: In American English, hyphens are used only when their absence can create misunderstanding. Use a hyphen to avoid doubling or tripling of consonants or vowels; for example, *re-entry*, *de-energize*.

Conclusion: ~~The long~~ Long-term use of IEEF is ~~safe~~ ~~safely performed~~ in ~~nonsurgical~~ ~~non-surgery~~ patients ~~and results in~~ ~~which enables to cause~~ a significant increase ~~in the~~ ~~of~~ serum ~~levels of~~ IGF-~~1~~ ~~concentration~~ associated with ~~increased~~ ~~increase in~~ humoral immunity.

SAMPLE