

ESPEN 2016 Abstract Submission

Topic: Liver and gastrointestinal tract

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CAN PATIENTS BE INDEPENDENT OF TOTAL PARENTERAL NUTRITION (TPN) AFTER INTESTINAL TRANSPLANTATION (ITX)

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If you think another topic than the one selected at first would suit your abstract, please choose below.: Nutritional techniques and formulations

Presentation Method: Poster presentation

Please indicate your professional occupation: Dietitian

The presenting author fulfills the above conditions and wants to apply for a travel award: No

Rationale: Is intestinal transplantation a successful treatment of Chronic Intestinal Failure (CIF) to become independent of TPN); results of 10 adult transplantations at the University Medical Centre Groningen.

Methods: Ten patients (8 female, 2 male) aged 24 - 55 years, with chronic intestinal failure after intestinal transplantation. Retrospective observational study from September 2001 to March 2016.

Results: At the University Medical Centre Groningen 15 patients are screened for ITX. Since 2001 ten intestinal transplantations were carried out in nine adult patient with CIF. Reasons for transplantation were short bowel syndrome, motility disorder, line occlusion and infection, liverdisease, bad quality of life. They were hospitalized for 20-108 days. All patients stopped with TPN within 9-57 days. Tube feeding was started after 2-11 days and stopped within 11-130 days. A clear liquid diet was started within 2-11 days and 1 regular diet was introduced median 18 days after ITX. Afterwards 2 patients died, 2 patients had rejection of the graft, which had to be removed; 6 patients had a regular diet, but needed supplementary magnesium and iron.

Conclusion: After ITX no patients were independent of TPN. All patients had a regular diet, but needed supplementary minerals and trace-elements .

References: Roskott A.M., Intestinal Failure and transplantation, penny wise – pound foolish, 2014
Pironi L., et al, ESPEN endorsed recommendations. Definition and classification of intestinal failure in adults, Clinical Nutrition 34 (2015)

Disclosure of Interest: None Declared

Keywords: intestinal transplantation, TPN