



GONZÁLEZ-MOLERO I, SÁNCHEZ-TORRALVO FJ, VALLEJO-MORA MR, CONTRERAS-BOLIVAR V, GONZALO MARÍN M, TAPIA-GUERRERO MJ, GALLEGO-FERNANDEZ C, OLVEIRA-FUSTER G. UGC ENDOCRINOLOGÍA Y NUTRICIÓN, HOSPITAL REGIONAL DE MÁLAGA (SPAIN)

INTRODUCTION

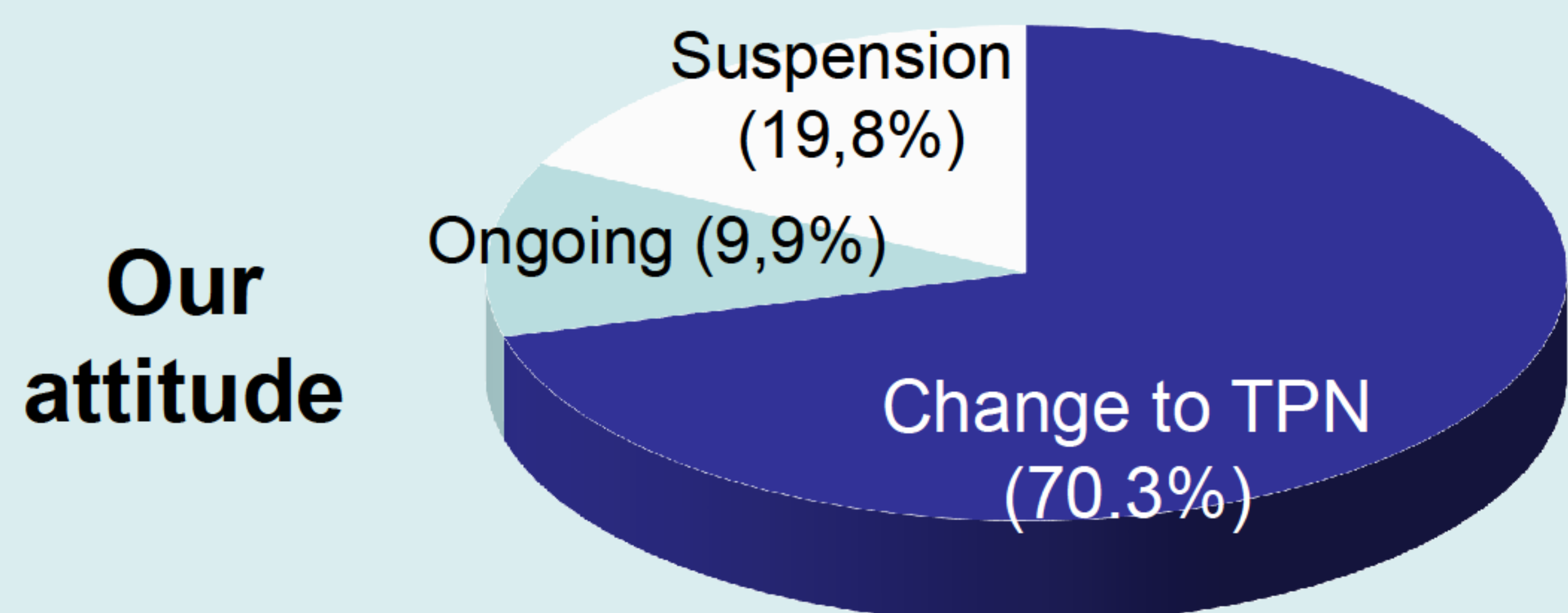
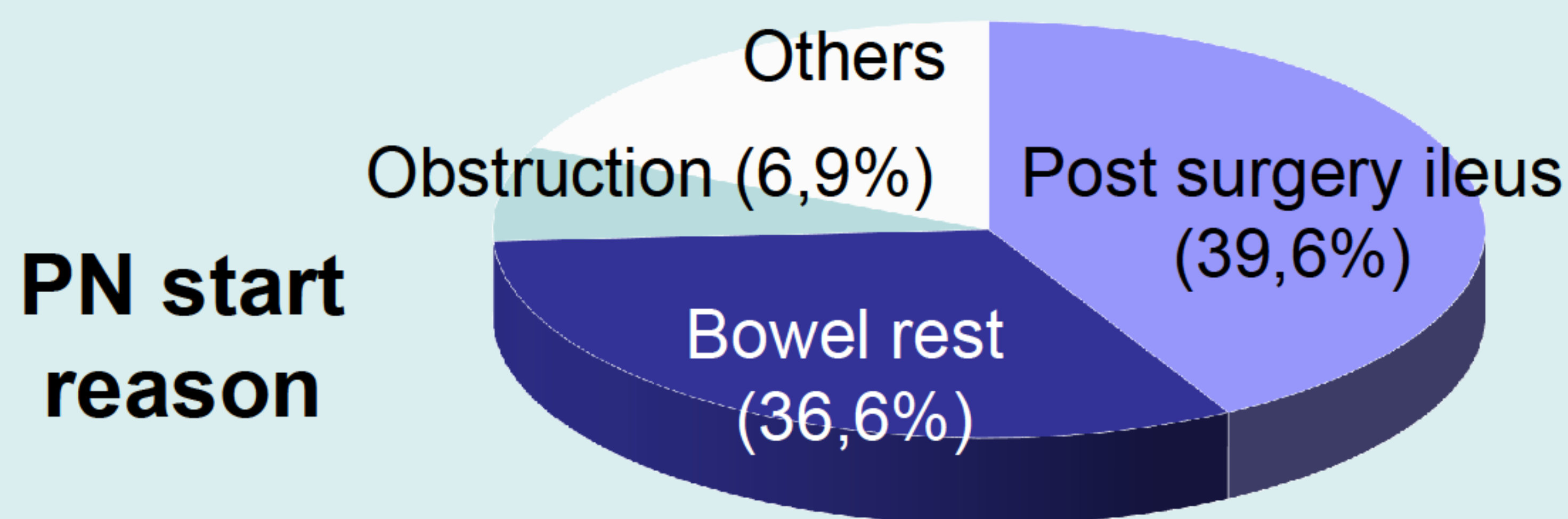
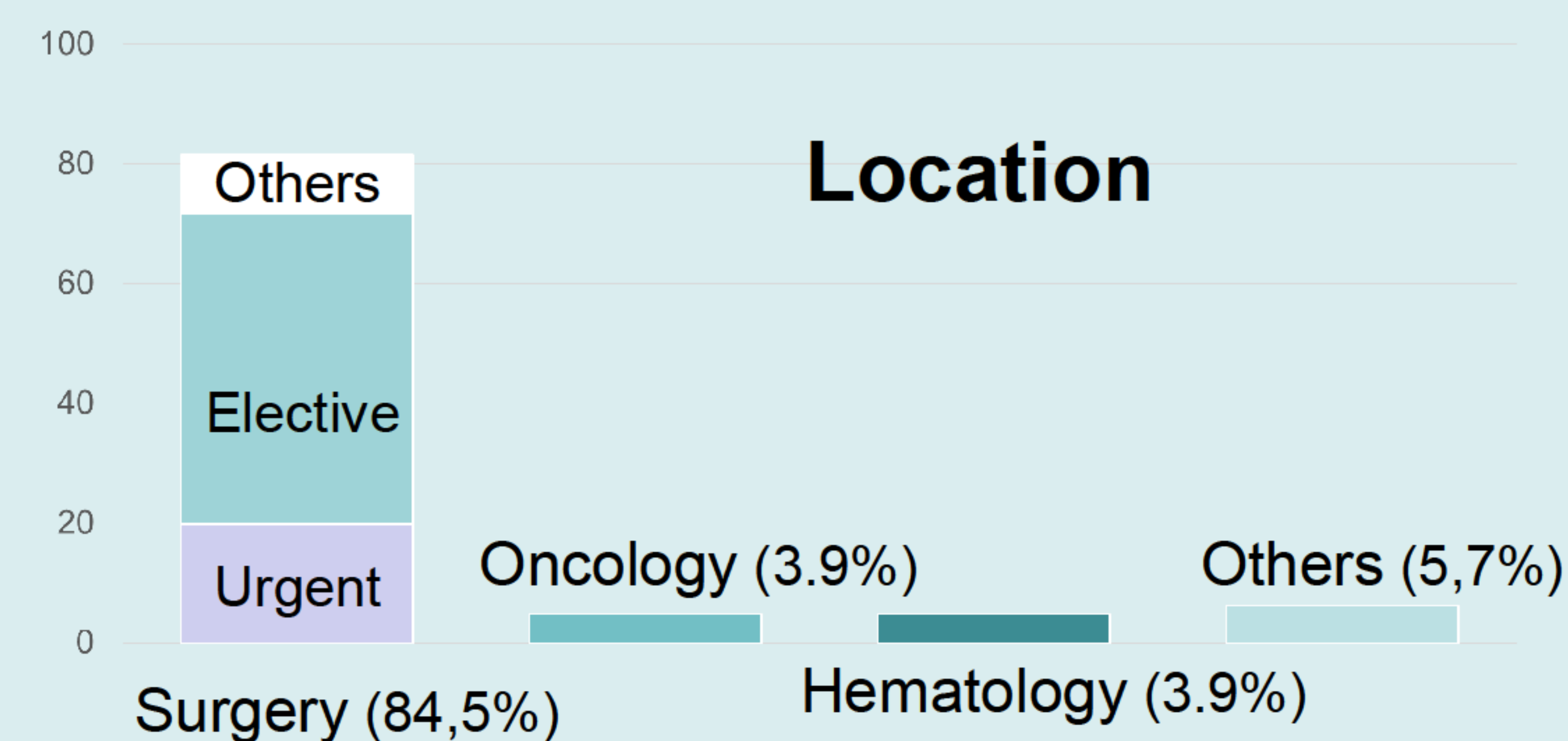
Parenteral nutrition (PN) is indicated in patients in which gastrointestinal tract is inaccessible or severely affected. In our hospital, specialists often use commercial three-compartment bags of PN that provide standard nutritional requirements instead of a total parenteral nutrition (TPN) with macro and micronutrients adjusted to each patient.

MATERIAL AND METHODS

Cross-sectional study carried out during four months in patients who are treated with commercial premixed PN in our hospital. Pharmacy provided us the list of patients treated with that preparations. We collected the following variables: who indicates it, reason, duration, degree of undernourishment, medical monitoring and decision after our evaluation.

OBJECTIVE

To evaluate the use of commercial premixed PN with respect to TPN with adequate daily requirements.



RESULTS

N	104 patients	
Age	63,5 +/- 16,8 (14-88 years)	
Gender	Male	65 (62%)
	Female	39 (38%)
Undernourishment degree (GSV)	No	26,4%
	Moderate	37,9%
	Severe	35,7%
How did we know the patient?	Interclinical	68 (66,7%)
	Pharmacy list	34 (33,3%)
PN mean time (days)	Pharmacy	3,5
	Interclinical	1,97
	Total	2,4
		p=0,001
Capillary glycemia	Yes	23 (23%)
	No	77 (77%)
Analysis with nutritional profile	Yes	27 (27,3%)
	No	72 (72,7%)
Covers caloric requirements	Yes	19 (21,1%)
	No	71 (78,9%)
Covers protein requirements	Yes	5 (5,6%)
	No	84 (94,4%)
	Indicated TPN	Not indicated TPN
Pharmacy	17 (53,1%)	15 (46,9%)
Interclinical	61 (91%)	6 (9%)
Total	78 (76,2%)	21 (23,8)
		p<0,001

CONCLUSION

Despite the availability of a Nutrition Service, there are a high percentage of patients who are treated commercial premixed PN without adequate indication and a high percentage of patients in which daily nutritional requirements are not warranted and need an individualized parenteral nutrition.