

Supplementary 1: Surgical and immediate postoperative details

Variable	All patients	No parenteral nutrition	Parenteral nutrition	P-value
Number of patients	N = 231	N = 165	N = 66	
Type of surgery				0.02
Primary laparotomy	205 (88.7%)	152 (92.1%)	53 (80.3%)	
Reoperation	26 (11.3%)	13 (7.9%)	13 (19.7%)	
Duration of surgery, minutes	104.0 (78 – 152.8)	102.5 (76.75 – 150.25)	117.5 (87.5 – 175.8)	0.09
Operative findings ^a :				
Obstruction	144 (62.3%)	109 (66.1%)	35 (53.0%)	
Ischemia	19 (8.2%)	10 (6.1%)	9 (13.6%)	
Perforation	53 (22.9%)	34 (20.6%)	19 (28.8%)	
Other ^b	51 (22.0%)	34 (20.6%)	17 (25.8%)	
Bowel resection	151 (65.4%)	105 (63.6%)	46 (69.7%)	0.44
Anastomosis	107 (46.3%)	82 (49.7%)	25 (37.9%)	0.11
Stoma formation	48 (20.8%)	28 (17.0%)	20 (30.3%)	0.03
Reoperation	44 (19%)	14 (8.5%)	30 (45.5%)	< 0.0001
<i>Immediate postoperative details^d</i>				
Nasogastric tube in place	136 (58.9%)	84 (50.9%)	52 (78.8%)	0.33
Postoperative dietary restriction	110 (46.8%)	71 (43.0%)	39 (59.1%)	0.007
Nil per mouth	14 (12.7%)	6 (3.6%)	8 (12.1%)	
Fluids only	96 (87.3%)	65 (39.4%)	31 (47.0%)	
<i>Destination postoperatively</i>				
Intensive care unit (ICU)	17 (6.9%)	7 (4.2%)	10 (15.2%)	0.009

Data presented as numbers with percentages or medians with interquartile range (IQR)

Tests are Fisher's exact Test unless indicated with * where they are Mann-Whitney U-test.

^a: More than one finding possible for each patient ^b: Incarcerated hernia, bleeding gastric or duodenal ulcer, intraabdominal bleeding, appendicitis, burst abdomen ^c Based on the Surgical Wound Classification Grades by the CDC (Centers for Disease Control); ^d Immediate postoperative plan put forth by the surgeon for the first postoperative day; "No parenteral" are patients that did not receive parenteral nutrition at any point during admission; "Parenteral" are patients that received any dose of parenteral nutrition at any point postoperatively".

Supplementary 2: Overview of parenteral nutrition

	All parenteral	SPN group	TPN group
Number of patients	66 (28.6)	35 (15.2)	31 (13.2)
Postoperative day of initiation Median (IQR)	4 (3-6.75)	4 (3 – 7)	Any PN 4 (2 – 6) TPN dosage 8 (3 – 10)
Duration in days Median (IQR)	7 (5 – 15)	6 (4 – 8)	TPN-days: 4 (3 – 8) SPN-days: 6 (3-10) Total days: 13 (6.5 – 20)

Data presented as numbers with percentages or medians with interquartile range (IQR)

TPN defined as > 75% of energy requirement.

Abbreviations: IQR: Interquartile range, PN: Parenteral nutrition, SPN: Supplementary parenteral nutrition,

TPN: Total parenteral nutrition

Supplementary 3: Additional nutritional details during admission

Variable	All patients	No parenteral	Parenteral	P-values
Number of patients	N = 231	N = 165	N = 66	
Median time from surgery to dietician consult, days (IQR)	5 (3-7)	6 (3 – 7)	5 (3.5 – 7)	0.66
<i>Dietary restrictions</i>				
Nil per mouth	25 (10.8%)	9 (5.5%)	16 (24.2%)	
Fluids only	110 (47.6%)	70 (42.4%)	40 (60.6%)	
Duration of restrictions				
Nil per mouth, days	2 (1 – 5)	2 (1 – 2)	3.5 (1.75 – 6.25)	0.034
Fluids only, days	2 (1 – 4)	1 (1 – 2.75)	5 (2 – 7)	< 0.0001
Median (IQR)				
Days with vomiting/aspirates	3 (1 – 5)	2 (1-3)	6 (3 – 9)	< 0.0001
Median (IQR)				

Data presented as numbers with percentages or medians with interquartile range (IQR)

Tests are Mann-Whitney U-test.

Abbreviations: IQR: Interquartile range