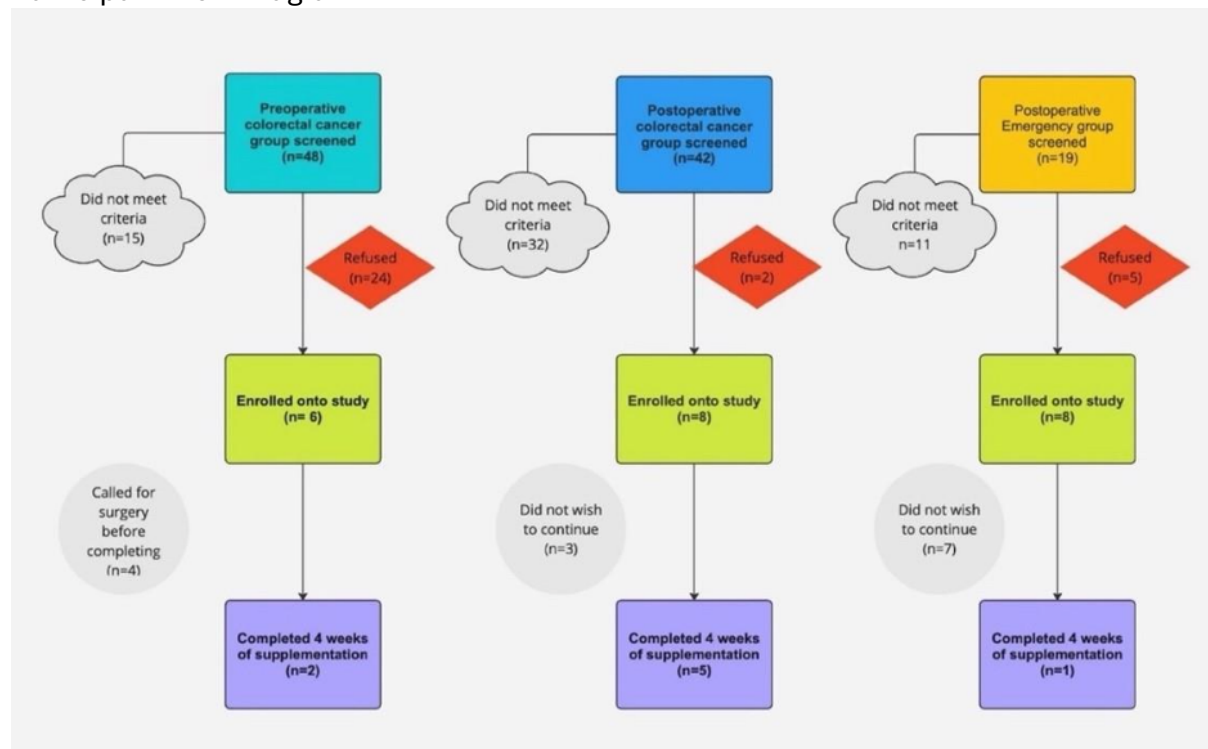


Baseline Characteristics

Patient characteristics	Total Cohort (n=22)
Sex (M/F)	16/6 (73% M)
Age (years, mean \pm SD)	69 (\pm 5.6)
Ethnicity	White British (100%)
Weight (kg, mean \pm SD)	82.8 (\pm 7.4)
Body Mass Index (kg/m ² , mean \pm SD)	28.5 (\pm 3.5)
Admission Diagnosis	
Elective patients (n= 14)	
Adenocarcinoma (preoperative)	6
Adenocarcinoma (postoperative)	7
Neuroendocrine tumour	1
Emergency Patients (n=8)	
Perforated diverticulum	1
Perforated appendix	1
Cholecystitis	1
Intestinal obstruction due to adenocarcinoma	2
Adhesions due to Crohn's disease	1
Ischaemic intestine	1
Small intestinal perforation	1

Participant Flow Diagram

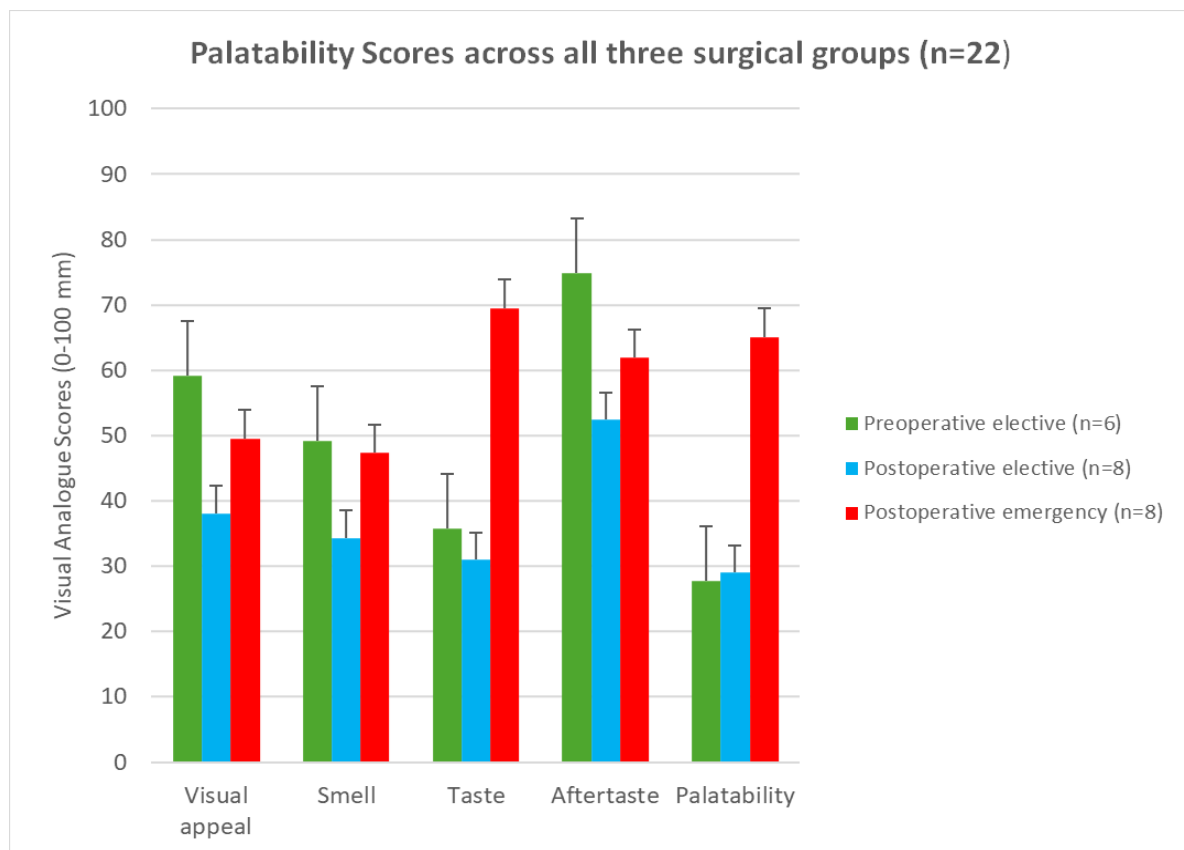


Outcome measures

1. Comparison of energy and protein intake between control and intervention conditions

Variable	Group	Mean SD	t (df)	p-value	Mean Difference (CI)	Effect size (Cohen's d)
Energy Intake (kcal)	Control (n=6)	359.13 (±49.52)	-2.75 (10)	0.02	-163.98 (-296.68, -31.29)	1.59
	Intervention (n=6)	523.17 (±137.21)				
Protein Intake (g)	Control (n=6)	17.75 (±2.46)	-3.4 (10)	0.007	-10.02 (-16.58), -3.46)	1.92
	Intervention (n=6)	27.7 (±6.78)				

2. Comparison of palatability scores across surgical groups (preoperative elective, postoperative elective, postoperative emergency).



3. Energy and protein intakes over 3 days in week 3 including average number of supplements taken per day over the 3 days

Patient groups	Pre op Elective n=2		Post op Elective n=3			Post op Emergency n=2		Group Means (±SD)
Patient number	1	2	3	4	5	6	7	
Estimated Energy Requirement (kcal/day)	1955	1925	1465	1586	2189	1733	1915	1824 (±245.9)
Mean daily supplements consumed daily over 3 days	2	2	1	1.3	0	2	1	1.3 (±0.7)
Mean (± SD) energy intake (kcal/day) without supplementation	1557.7 (±139.3)	1734.7 (±115.8)	1750.6 (±228.9)	1571.6 (±231.8)	2009.7 (±332.1)	2627.8 (±461.0)	1910.7 (±490.9)	1881.7 (±368.4)
Mean (± SD) energy intake (kcal/day) with supplementation	1785 (±215.1)	1961 (±191.6)	1864.3 (±292.0)	1722.8 (±294.9)	2009.7 (±332.1)	2855 (±537.0)	2024.3 (±526.9)	1983.0 (±300.8)
Mean (± SD) protein intake (g/day) without supplementation	77.1 (±15.8)	74 (±17.8)	87.8 (±33.9)	102.7 (±41.7)	70.7 (±10.7)	141.2 (±68.3)	82.0 (±14.2)	90.8 (±24.6)
Mean (± SD) protein intake (g/day) with supplementation	92.1 (±10.8)	89 (±12.8)	95.3 (±29.7)	112.6 (±37.5)	70.7 (±10.7)	156.2 (±63.3)	89.5 (±11.7)	100.8 (±27.35)