Supplementary Data File 5. Univariate analyses to identify effect of patient state and trait variables on responses evoked by 5 Hz EFS in ascending colon.

VARIABLES	MUSCLE RELAXATION		
	No (N = 49)	Yes (N=60)	P value
MEDICATIONS			
Gastrointestinal medications	17 (34.7%)	21 (35.0%)	0.97§
Laxatives	*3 (6.1%)*	*6 (10.0%)*	*0.51*
Antiemetic (5-HT$_3$ receptor antagonists)	*0*	*0*	
Peripheral D$_2$ antagonists (metoclopramide, domperidone)	*1 (2.0%)*	*1 (1.7%)*	*1.00*
Proton Pump Inhibitor	*11 (22.4%)*	*18 (30.0%)*	*0.38§*
H$_2$ antagonist (e.g. ranitidine)	*4 (8.2%)*	*5 (8.3%)*	*1.00*
Buscopan	*0*	*1 (1.7%)*	*1.00*
Mebeverine	*1 (2.0%)*	*1 (1.7%)*	*1.00*
Analgesics†	22 (44.9%)	22 (36.7%)	0.66§
Opiates	*7 (14.3%)*	*8 (13.3%)*	*0.89§*
NSAIDs	*11 (22.4%)*	*13 (21.7%)*	*0.92§*
Paracetamol	*9 (18.4%)*	*13 (21.7%)*	*0.67§*
Gabapentinoids	*2 (4.1%)*	*2 (3.3%)*	*1.00*
Cardiac medications†	31 (63.3%)	35 (58.3%)	0.60§
Ca^{2+} channel blockers	*8 (16.3%)*	*13 (21.7%)*	*0.48§*
Smooth muscle relaxant (hydralazine, nitrates, nicorandil)	*2 (4.1%)*	*3 (5.0%)*	*1.00*
Diuretics	*13 (26.5%)*	*13 (21.7%)*	*0.55§*
ACEi or ARB	*17 (34.7%)*	*14 (23.3%)*	*0.19§*
alpha blocker	*5 (10.2%)*	*0*	*0.02*
beta blocker	*9 (18.4%)*	*11 (18.3%)*	*1.00§*
Antiarrhythmics	*0*	*1 (1.7%)*	*1.00*
Antiplatelets / Anticoagulants	*8 (16.3%)*	*5 (8.3%)*	*0.24*
Statin	*16 (32.7%)*	*20 (33.3%)*	*0.94§*
Respiratory medications†	1 (2.0%)	8 (13.3%)	0.04
Inhalers	*1 (2.0%)*	*8 (13.3%)*	*0.04*
Other (Montelukast, betahistine, carbocisteine)	*0*	*2 (3.3%)*	*0.50*
Genitourinary medications†	6 (12.2%)	2 (3.3%)	0.14
Alpha blocker (Genitourinary)	*5 (10.2%)*	*2 (3.3%)*	*0.24*
5alpha reductase inhibitor	*3 (6.1%)*	*0*	*0.09*
Antispasmodic (oxybutynin, solifenacin, dicyclomine)	*0*	*2 (3.3%)*	*0.51*
Systemic steroid	2 (4.1%)	4 (6.7%)	0.69
Immunomodulators	2 (4.1%)	1 (1.7%)	0.59

Antibiotics	0	3 (5.0%)	0.25
Cation-containing agents (Aluminium, calcium, Iron, Lithium)	11 (22.4%)	16 (26.7%)	0.61[§]
Endocrine medications†	**14 (28.6%)**	**22 (36.7%)**	**0.37**[§]
Anti-diabetic	*8 (16.3%)*	*7 (11.7%)*	*0.48*[§]
Vitamin D	*4 (8.2%)*	*12 (20.0%)*	*0.11*
Folic acid	*0*	*4 (6.7%)*	*0.13*
Pamidronate and alendronic acid	*2 (4.1%)*	*4 (6.7%)*	*0.69*
thyroxine	*2 (4.1%)*	*4 (6.7%)*	*0.69*
CNS & Psychiatric medications†	5 (10.2%)	12 (20.0%)	0.16
Tricyclic antidepressants	*2 (4.1%)*	*5 (8.3%)*	*0.46*
SSRI AND SNRI	*3 (6.1%)*	*4 (6.7%)*	*1.00*
Antiparkinsonian drugs (procylidine)	*0*	*0*	
Other Parkinsonian drug (dopamine agonists)	*0*	*1 (1.7%)*	*1.00*
Antipsychotic (chlorpromazine, quetiapine, olanzapine)	*0*	*0*	
Other antipsychotic (amisulpride, prochlorperazine – D & 5HT antagonist)	*0*	*0*	
Anticonvulsant	*0*	*1 (1.7%)*	*1.00*
Benzodiazepine / GABA enhancer	*1 (2.0%)*	*2 (3.3%)*	*1.00*
Anticholinergic [φ]	5 (10.2%)[$]	11 (18.3%)	0.28
Tricyclic antidepressants	*2 (4.1%)*	*5 (8.3%)*	*0.46*
Antiparkinsonian drugs (procylidine)	*0*	*0*	
Antispasmodic (oxybutynin, solifenacin, dicyclomine)	*0*	*2 (3.3%)*	*0.51*
Antipsychotic (chlorpromazine, quetiapine, olanzapine)	*0*	*0*	
Antihistamine (diphenhydramine, chlorphenamine, promethazine)	*3 (6.1%)*	*2 (3.3%)*	*0.66*
Buscopan	*0*	*1 (1.7%)*	*1.00*
Mebeverine	*1 (2.0%)*	*1 (1.7%)*	*1.00*
All alpha blocker (cardiac + genitourinary) [φ]	10 (20.4%)	2 (3.3%)	**0.01**

MEDICAL HISTORY			
Any GI condition†	15 (30.6%)	19 (31.7%)	0.91§
Diverticular disease	1 (2.0%)	5 (8.3%)	0.22
IBD	0	0	
Constipation	0	0	
IBS	0	2 (3.3%)	0.50
oesophageal stricture (benign)	0	1 (1.7%)	1.00
GORD	6 (12.2%)	7 (11.7%)	0.93§
Hiatus hernia	1 (2.0%)	3 (5.0%)	0.63
Chronic gastritis / ulcers	0	4 (6.7%)	0.13
Cholecystitis / gallstones	3 (6.1%)	1 (1.7%)	0.32
Fatty liver / portal hypertension	0	1 (1.7%)	1.00
Polyps	6 (12.2%)	3 (5.0%)	0.29
Previous cancer	1 (2.0%)	1 (1.7%)	1.00
Inguinal / incisional / parastomal hernia	1 (2.0%)	2 (3.3%)	1.00
Perianal condition (e.g. haemorrhoid, abscess)	0	2 (3.3%)	0.50
Previous abdominal surgery	6 (12.2%)	8 (13.3%)	0.87§
Gynaecological conditions†	8 (16.3%)	9 (15.0%)	0.85§
Previous Gynaecological operation	7 (14.3%)	8 (13.3%)	0.89§
Vaginal prolapse	1 (2.0%)	0	0.45
Polycystic ovarian syndrome	1 (2.0%)	0	0.45
Uterine fibroid	2 (4.1%)	1 (1.7%)	0.59
Previous ectopic pregnancy	1 (2.0%)	0	0.45
Previous cancer	1 (2.0%)	3 (5.0%)	0.63
Cervical ectropion	0	1 (1.7%)	1.00
Endometriosis	0	1 (1.7%)	1.00
Any CNS conditions †	7 (14.3%)	10 (16.7%)	0.73§
Parkinson's disease	1 (2.0%)	1 (1.7%)	1.00
Alzheimer's or other dementia	1 (2.0%)	2 (3.3%)	1.00
Cerebral vascular accidents / transient ischaemic attack	3 (6.1%)	3 (5.0%)	1.00
Multiple sclerosis	0	0	
Epilepsy	1 (2.0%)	3 (5.0%)	0.63
Peripheral neuropathy	0	1 (1.7%)	1.00
Previous neurosurgery	1 (2.0%)	0	0.45
Benign essential tremor	0	1 (1.7%)	1.00
Any psychiatric conditions†	6 (12.2%)	4 (6.7%)†	0.34
Anxiety disorder	3 (6.1%)	2 (3.3%)	0.66
Mood disorder	3 (6.1%)	3 (5.0%)	1.00
Personality disorder	0	0	
Any endocrine condition†	14 (28.6%)	15 (25.0%)	0.68§
Diabetes mellitus	10 (20.4%)	9 (15.0%)	0.46§

Neuroendocrine tumour	*1 (2.0%)*	*1 (1.7%)*	*1.00*
Parathyroid conditions	*1 (2.0%)*	*0*	*0.45*
Thyroid conditions	*2 (4.1%)*	*5 (8.3%)*	*0.46*
Any metabolic condition†	30 (61.2%)	32 (53.3%)	0.41[§]
Hypertension	*23 (46.9%)*	*24 (40.0%)*	*0.47*[§]
Hypercholesterolaemia	*11 (22.4%)*	*9 (15.0%)*	*0.32*[§]
Hypocalcaemia	*1 (2.0%)*	*2 (3.3%)*	*1.00*
Vitamin D deficiency	*1 (2.0%)*	*4 (6.7%)*	*0.38*
Osteoporosis & other bone disease	*1 (2.0%)*	*4 (6.7%)*	*0.38*
Vitamin B12, folate deficiency	*1 (2.0%)*	*0*	*0.45*
Any Renal condition†	2 (4.1%)	2 (3.3%)	1.00
Chronic kidney disease	*1 (2.0%)*	*2 (3.3%)*	*1.00*
Glomerulonephritis	*1 (2.0%)*	*0*	*0.45*
Renal transplant	*1 (2.0%)*	*1 (1.7%)*	*1.00*
Any Cardiovascular condition†	12 (24.5%)	14 (23.3%)	0.89[§]
Ischaemic heart disease (including heart failure)	*6 (12.2%)*	*7 (11.7%)*	*0.93*[§]
Valvular disease	*1 (2.0%)*	*3 (5.0%)*	*0.63*
Arrhythmia	*6 (12.2%)*	*5 (8.3%)*	*0.54*
Previous cardiac surgery	*0*	*1 (1.7%)*	*1.00*
Peripheral vascular disease	*2 (4.1%)*	*2 (3.3%)*	*1.00*
Any Respiratory condition†	6 (12.2%)	12 (20.0%)	0.28[§]
airway disease	*3 (6.1%)*	*9 (15.0%)*	*0.22*
alveolar disease	*1 (2.0%)*	*2 (3.3%)*	*1.00*
Pleural effusion	*1 (2.0%)*	*1 (1.7%)*	*1.00*
Obstructive sleep apnoea	*0*	*1 (1.7%)*	*1.00*
Previous lung cancer	*1 (2.0%)*	*0*	*0.45*
Any Haematological condition†	7 (14.3%)	19 (31.7%)	**0.03**[§]
Anaemia	*4 (8.2%)*	*12 (20.0%)*	*0.11*
VTE	*3 (6.1%)*	*4 (6.7%)*	*0.91*
Neutropaenia (autoimmune / chemotherapy related)	*0*	*2 (3.3%)*	*0.50*
Haematological malignancy	*0*	*3 (5.0%)*	*0.25*
Thalassaemia	*0*	*2 (3.3%)*	*0.50*
Hyperglobulinaemia	*0*	*1 (1.7%)*	*1.00*
Antiphospholipid syndrome	*0*	*1 (1.7%)*	*1.00*
Any Urological condition†	7 (14.3%)	10 (16.7%)	0.73[§]
Benign prostatic hypertrophy	*6 (12.2%)*	*3 (5.0%)*	*0.29*
Prostate cancer	*0*	*3 (5.0%)*	*0.25*
Renal & renal tract tumour	*2 (4.1%)*	*1 (1.7%)*	*0.59*
Previous renal calculi	*1 (2.0%)*	*0*	*0.45*
Previous renal tract infection (severe)	*0*	*2 (3.3%)*	*0.50*
Retroperitoneal fibrosis	*0*	*1 (1.7%)*	*1.00*
Urinary incontinence / detrusor instability	*0*	*1 (1.7%)*	*1.00*
Any Rheumatological condition	4 (8.2%)	5 (8.3%)	1.00
Rheumatoid arthritis	*1 (2.0%)*	*1 (1.7%)*	*1.00*
Polymyalgia rheumatica	*1 (2.0%)*	*0*	*0.45*
Gout	*3 (6.1%)*	*3 (5.0%)*	*1.00*

Systemic lupus erythromatosus	*0*	*1 (1.7%)*	*1.00*
Seronegative arthritis	*0*	*2 (3.3%)*	*0.50*
Any orthopaedic conditions	10 (20.4%)	7 (11.7%)	0.21[§]
Osteoarthritis (peripheral joints)	*6 (12.2%)*	*6 (10.0%)*	*0.71[§]*
Back or spinal problem	*5 (10.2%)*	*3 (5.0%)*	*0.30*
Smoker / ex-smoker	10 (20.4%)	7 (11.7%)	0.21[§]
EtOH user (moderate or more)	5 (10.2%)	9 (15.0%)	0.57
Previous abdominal/gynaecological op	**12 (24.5%)**	**14 (23.3%)**	**0.89[§]**

KEY: The table shows the numbers of patients (with % of total) with each factor. Results are shown using Fisher's exact test, Chi-Square test[§], where appropriate (due to multiple comparisons $P \leq 0.01$ was considered statistically significant). † some patients had more than 1 medications or conditions for that category. ɷ medications from different category but with similar action on certain receptor type.