**Table. Supplemental Digital Content 5. Clinical and physiology data for all patients (n=1614).**

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| --- | --- |
|  | **N (%)/**  **Mean (SD)** |
| Age – years; mean (SD) | 52 (18) |
| Gender- female | 1481 (92%) |
| Multipara - yes | 1208/1481 (82%) |
| **Reason for performing perception testing** | |
| Symptoms of constipation\* | 630 (39%) |
| Symptoms of fecal incontinence\* | 860 (53%) |
| Assessment following obstetric injury\* | 260 (16%) |
| Healthy volunteers | 44 (3%) |
| **Rome diagnosis** | |
| Irritable bowel syndrome | 551 (34%) |
| IBS- constipation predominant (IBS-C) | 129 (8%) |
| Chronic constipation | 387 (24%) |
| IBS-C or chronic constipation | 516 (32%) |
| Functional defecation disorder (symptoms) | 824 (51%) |
| Fecal incontinence | 804 (51%) |
| **Background medical condition/ medications** | |
| Connective tissue disease | 28 (2%) |
| Diabetes mellitus | 36 (2%) |
| Inflammatory bowel disease (quiescent) | 18 (1%) |
| Multiple sclerosis | 12 (1%) |
| Neurological disorder | 18 (1%) |
| Gut-specific neuro-modulatory medications | 143 (9%) |
| Psychiatric Medications | 181 (11%) |
| **Previous procedures** | |
| Hysterectomy | 297 (18%) |
| Obstetrics associated anal sphincter injury | 290 (18%) |
| Pelvic (non-rectal) surgery | 247 (15%) |
| Rectal surgery | 60 (4%) |
| Anal surgery | 119 (7%) |
| Colon (non-rectal) surgery | 34 (2%) |
| Pelvic radiation | 25 (2%) |
| Spinal cord injury/surgery | 69 (4%) |
| **Mood - hospital anxiety and depression (HAD) disorder** | |
| HAD anxiety score – mean (SD) | 6.3 (4.1) |
| HAD anxiety – abnormal high (>7) | 538 (35%) |
| HAD depression score – mean (SD) | 4.2 (3.7) |
| HAD depression – abnormal high (>7) | 270 (17%) |
| **Anorectal manometry physiology testing** | |
| Anal resting pressure – mmHg ; mean (SD) | 64 (25) |
| Anal pressure on squeeze – mmHg; mean (SD) | 140 (58) |
| Rectal pressure on push – mmHg ; mean (SD) | 56 (26) |
| Paradoxical contraction on push - present | 548 (34%) |
| Balloon expulsion time – sec – mean (SD) | 34 (53) |
| Balloon expulsion time>60 sec | 253 (16%) |
| Balloon expulsion time>20 sec | 522 (33%) |

\*Overlap of presenting symptoms possible

IBS- Irritable bowel syndrome; IBS-C – IBS constipation predominant; HAD – hospital anxiety and depression.