**Methods, Supplemental Digital Content 4: List of potential predictors for rectal perception results.**

**The following were considered in the multivariate model:**

Age, gender, multipara, presenting symptoms (constipation, fecal incontinence, post-delivery);

**Rome diagnosis:** irritable bowel syndrome (IBS), chronic constipation, IBS-constipation predominant, fecal incontinence or symptoms of functional defecation disorder;

**Hospital anxiety and depression (HAD) score**;

**Previous surgery** including anal surgery, rectal surgery, colon (non-rectal) surgery, pelvic (non-rectal) surgery, hysterectomy, post obstetric sphincter associated injury;

Spinal cord injury/surgery;

Use of neuoromodulatory drugs, use of non-specific psychiatric drugs;

Diabetes mellitus, connective tissue disease, inflammatory bowel disease, previous pelvic radiation therapy;

**Anorectal manometry results**: anal resting pressure, anal pressure on squeeze, rectal pressure and anal relaxation on push maneuver, balloon expulsion time and ability to expel the balloon in either 20 or 60 seconds.