**Supplemental Table 2.** Properties of the key instruments reviewed by the Constipation Severity workgroup, with references

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Instrument Name | Constipation Assessment Scale (CAS)1 | Constipation-related Quality of Life (CR-QOL)2 | Constipation Scoring System (CSS)3 | Constipation Severity Instrument (CSI)4 | Fecal Incontinence and Constipation Assessment (FICA)5 | Patients with Fecal Incontinence and Constipation Questionnaire (FICQ)6 | Garrigues Questionnaire (GQ)7 | Knowles Eccersley Scott Symptom Score (KESS)8 |
| Author | McMillan | Wang | Agachan | Varma | Bharucha | Osterberg | Garrigues | Knowles |
| # of questions | 8 | 18 | 8 | 16 | 98 | 38 | 21 | 11 |
| # of domains | N/A | 4 | N/A | 3 | 2 | N/A | N/A | N/A |
| Name of domains | N/A | Social Impairment, Distress, Eating Habits, Bathroom Attitudes | N/A | Obstructive defecation, Colonic inertia, Pain | Constipation, Fecal incontinence | N/A | N/A | N/A |
| Can each domain be scored independently | N/A | No | N/A | No | No | N/A | N/A | N/A |
| Validity tested? | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Reliability Tested? | Yes | Yes | No | Yes | Yes | Yes | Yes | No |
| How many Google Scholar citations? | 208  (9/8/2018) | 26  (9/14/2018) | 809  (9/8/2018) | 92  (9/14/2018) | 51  (9/15/18)\* | 98  (9/8/18) | 213  (9/13/18) | 177  (9/14/18) |

\* *NOTE: most for fecal incontinence*

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Instrument Name | Patient Assessment of Constipation–Quality of Life (PAC-QOL)9 | Patient Assessment of Constipation–Symptoms (PAC-SYM)10 | Patient-reported Outcomes Measurement Information System (PROMIS) constipation module11 | Rome IV constipation module12 | Subjective Bowel Function Questionnaire (SBFQ)13 | Visual Scale Analog Questionnaire (VSAQ)14 |  |  |  |
| Author | Marquis | Frank | Spiegel | Palsson | Griffenberg | Pamuk |  |  |  |
| # of questions | 28 | 12 | 9 | 10 | 20 | 5 |  |  |  |
| # of domains | 4 | 3 | N/A | N/A | N/A | N/A |  |  |  |
| Name of domains | Worries and concerns, Physical discomfort, Psychosocial discomfort, Satisfaction | Abdominal symptoms, Rectal symptoms, and Stool symptoms | N/A | N/A | N/A | N/A |  |  |  |
| Can each domain be scored independently | Yes | Yes | N/A | N/A | N/A | N/A |  |  |  |
| Validity tested? | Yes | Yes | Yes | Yes | No | No |  |  |  |
| Reliability Tested? | Yes | Yes | Yes | Yes | No | Yes |  |  |  |
| How many Google Scholar citations? | 344  (9/9/18) | 243  (9/14/18) | 72  (9/9/18) | 38  (9/9/18) | 6  (9/15/18) | 5  (9/13/18) |  |  |  |

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