**Supplemental Table 4.** Properties of the key instruments reviewed by the Lower Urinary Tract Symptoms in Men and Women Workgroup, with references

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Instrument Name | International Consultation on Incontinence Questionnaire Female Lower Urinary Tract Symptoms (ICIQ-FLUTS)1 | UDI-62 | International Prostate Symptom Score3 | Qualiveen4 | SF Qualiveen5 | | Urinary  Symptom  Profile6 | Dysfunctional Elimination Score7 |  |  |  | |  |
| Author | Jackson | Ubersax | Barry | Bonniaud | Bonniaud | Haab | | Afshar |  |  |  |  | |
| # of questions | 25 | 6 | 8 | 30 | 8 | 10 | | 14 |  |  |  |  | |
| # of domains | N/A | N/A | N/A | 5 | 5 | N/A | | N/A |  |  |  |  | |
| Name of domains | N/A | N/A | N/A | Bother with limitations  Frequency limitations  Fears  Feelings  Overall Score | Bother with limitations  Frequency limitations  Fears  Feelings  Overall Score | N/A | | N/A |  |  |  |  | |
| Can each domain be scored independently | No | No | No | Yes | Yes | No | | N/A |  |  |  |  | |
| Validity tested? | Yes | Yes | Yes | Yes | Yes | Yes | | Yes |  |  |  |  | |
| Reliability Tested? | Yes | Yes | Yes | Yes | Yes | Yes | | Yes |  |  |  |  | |
| How many Google Scholar citations? | 447  9/30/18 | 1,119 9/30/18 | 2924  9/14/18 | 43  9/30/18 | 69  9/30/18 | 79  9/6/18 | | 85  9/13/18 |  |  |  |  | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Instrument Name | Neurogenic  Bladder Symptom Score8 | Bladdder/Bowel Dysfunction Questionnaire (BBDQ)9 | Novel symptom questionnaire for the differential diagnosis of detrusor underactivity and bladder outlet obstruction in men10 |  |  |  |
| Author | Welk | Drzewiecki | Kim |  |  |  |
| # of questions | 25 | 4 | 8 |  |  |  |
| # of domains | 3 | N/A | N/A |  |  |  |
| Name of domains | Incontinence  Storage and Symptoms  Consequences | N/A | N/A |  |  |  |
| Can each domain be scored independently | No | N/A | N/A |  |  |  |
| Validity tested? | Yes | Yes | No |  |  |  |
| Reliability Tested? | Yes | No | Yes |  |  |  |

References

1. Jackson S, Donovan J, Brookes S, Eckford S, Swithinbank L, Abrams P. The Bristol Female Lower Urinary Tract Symptoms questionnaire: development and psychometric testing. *Br J Urol*. 1996;77:805–812.

2. Uebersax JS, Wyman JF, Shumaker SA, McClish DK, Fantl JA; Continence Program for Women Research Group. Short forms to assess life quality and symptom distress for urinary incontinence in women: the Incontinence Impact Questionnaire and the Urogenital Distress Inventory. *Neurourol Urodyn*. 1995;14:131–139.

3. Barry MJ, Fowler FJ Jr, O’Leary MP, et al; The Measurement Committee of the American Urological Association. The American Urological Association symptom index for benign prostatic hyperplasia. *J Urol*. 1992;148:1549–1557.

4 Bonniaud V, Jackowski D, Parratte B, et al. Quality of life in multiple sclerosis patients with urinary disorders: discriminative validation of the English version of Qualiveen. *Qual Life Res*. 2005;14:425–431.

5. Bonniaud V, Bryant D, Parratte B, Guyatt G. Development and validation of the short form of a urinary quality of life questionnaire: SF-Qualiveen. *J Urol*. 2008;180:2592–2598.

6. Haab F, Richard F, Amarenco G, et al. Comprehensive evaluation of bladder and urethral dysfunction symptoms: development and psychometric validation of the Urinary Symptom Profile (USP) questionnaire. *Urology*. 2008;71:646–656.

7. Afshar K, Mirbagheri A, Scott H, MacNeily AE. Development of a symptom score for dysfunctional elimination syndrome. *J Urol*. 2009;182(suppl):1939–1943.

8. Welk B, Morrow S, Madarasz W, Baverstock R, Macnab J, Sequeira K. The validity and reliability of the neurogenic bladder symptom score. *J Urol*. 2014;192:452–457.

9. Drzewiecki BA,Thomas JC, Pope IV, Adams MC, Brock JW, Tanaka S. Use of a validated bladder/bowel dysfunction questionnaire in the clinical pediatric urology setting.

10. Kim A, Park YJ, Heo KO, et al. Novel symptom questionnaire for the differential diagnosis of detrusor underactivity and bladder outlet obstruction in men. *Aging Male*. 2019;22:150–155.