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Title: LOWER URINARY TRACT SYMPTOMS QUESTIONNAIRES FOR FEMALES

Aims of Study:

No questionnaires for the evaluation of female lower urinary tract symptoms (LUTS) has emerged as the standard for clinical or research use. These questionnaires generally serve to discriminate between stress and urge incontinence, to quantify the amount of incontinence, or to assess the impact of incontinence on the patient.

Methods:

We review psychometrically validated, English-language LUTS questionnaires. This can serve as a foundation for further development of standardized questionnaires for female LUTS.

Results:

NAME	VALIDITY TESTING ¹
Sensitivity 0.7 Specificity 0.52	
Detrusor Instability Score	Accuracy 0.68
Gaudenz Incontinence Questionnaire (English Version)	Sensitivity 0.83-0.86
Stress Incontinence Questionnaire	Pad test: r_p 0.58-0.70
Severity Index	Convergent and discriminant
	Validity good
Severity Index & Symptom Impact Index	Patient reported severity: r_s 0.59
Bristol Female Lower Urinary Tract Symptom Questionnaire	Pad test: r_s 0.54
Incontinence Impact Questionnaire (IIQ) & Urogenital	Convergent and discriminant
	Validity good
Distress Inventory (UDI) IIQ-7 & UDI-6 Urge IIQ & Urge Udi	Voiding diary: r_s 0.85-0.97
Interstitial Cystitis Severity Index & Problem Index	Pad test: r_s 0.31-0.67
	Leak Events: r 0.23-0.34
Urge Impact Score	Pad test: r 0.19-0.34
	IIQ & IIQ-7 r_p 0.97
	UDI and UDI-6 r_p 0.93
	Convergent and discriminant validity
	C_p 0.85 between these two indices
	Domains of Short form-36: r 0.35-0.67
	Domains of Psychological General Well-Being Schedule r 0.45-0.62
	Number of Leaks: r 0.44IIQ r 0.49

¹Unless specified, validity is by correlation of index (or domains) with listed parameter. r_s is Spearman's correlation coefficient, r_p is Pearson's correlation coefficient, and r is alternate correlation.

Conclusions:

While no one instrument appears to be best suited to the overall assessment of female voiding dysfunction, those which address several domains in a shorter format are more facile and provide sensitivity and specificity approximating longer questionnaires.