

## VALIDITY AND RELIABILITY OF THAI VERSION OVERACTIVE BLADDER SYMPTOMS SCORE (OABSS-T)

### Hypothesis / aims of study:

OAB is a subjective based symptom that impaired the HRQOL. Currently, there are numbers of OAB-specific questionnaires can assess symptoms but the results on urgency were inconstant and unpredictable. Recently Overactive Bladder Symptoms Score (OABSS) has been mentioned and validated to evaluate symptoms. Therefore, it is important to examine the psychometric property of the OABSS in Thai female with overactive bladder.

### Study design, materials and methods:

Sixty women aged over 18 years with OAB were evaluated twice in a two-week interval using a self-completion OABSS in Thai language which was translated by a group of translators. OABSS Thai dialect preserves original format using seven questions and was screened and approved by the expertise urologists and ethical committee.

### Results

Sixty subjects were female, aged 56(± SD 17.8) years and most of the participants were in lower level than colleges. The mean average total score was 15.35 and 15.23 of visit 1 and 2 in Table 1. The internal consistency was observed with Cronbach's coefficients alpha was 0.8 and 0.82 at visit 1 and 2 respectively in Table 2. There were a strong association between the seven-item score of the OABSS at visit 1 and visit 2 with an ICC of 0.96 (95% CI 0.947 to 0.981) and the ICC in each domain ranged from 0.787 to 0.985 in Fig 1.

### Concluding message

The OABSS in Thai language is a meaningful and useful, self-completion questionnaire that can grade the symptoms and severity of overactive bladder symptoms.

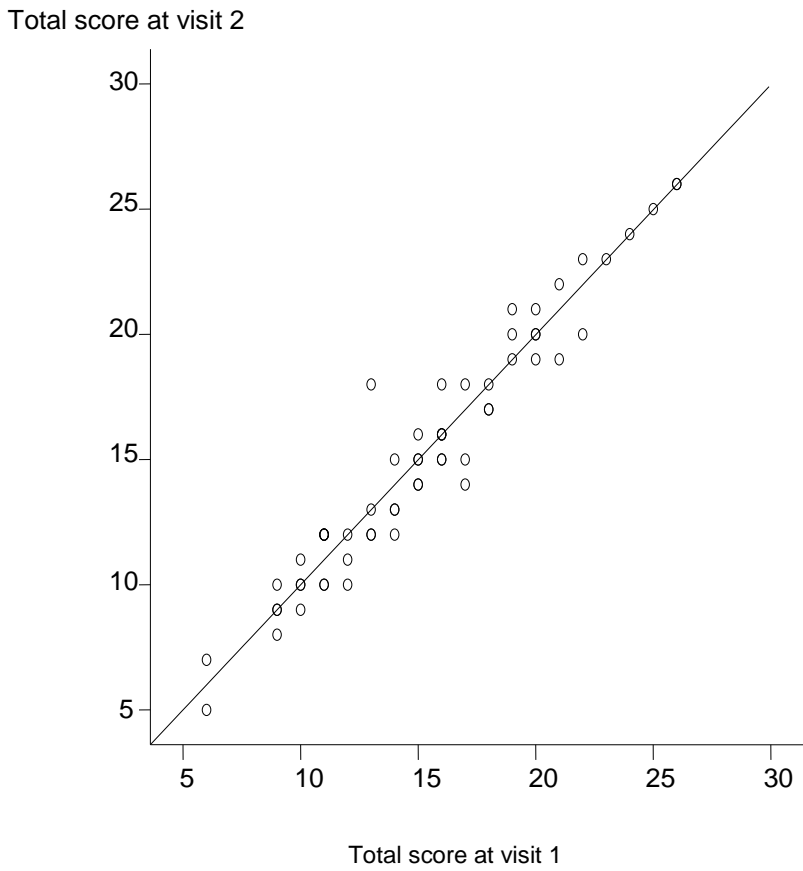
**Table 1: The Participants' responsible scores in each domain.**

Domains (total scores)	Visit 1 (Mean± SD)	Visit 2 (Mean± SD)
1 frequency and nocturia (8)	4.48 (1.545)	4.43 (1.489)
2 Urgency (12)	7.23 (2.445)	7.25 (2.468)
3 Urge incontinence (4)	1.08 (1.293)	1.07 (1.287)
4 Bladder control (4)	2.55 (0.746)	2.48 (0.833)
Total (28)	15.35 (4.857)	15.23 (4.966)

**TABLE 2: Inter-Item Correlation Matrix for each of seven items at Visit 1**

Questions	1	2	3	4	5	.6	7
1. How many do you usually urinate during the day?	1.000						
2. How many times do you usually urinate at night?	.145	1.000					
3. What is the reason that you usually urinate?	.254	.355	1.000				
4. Once you get the urge or desire to urinate, How long can you postpone it comfortably?	.430	.397	.479	1.000			
5. How often do you get a sudden makes you want to stop what you are doing and rush to the bathroom?	.327	.500	.559	.381	1.000		
6. How often do you get a sudden urge or desire to urinate that makes you want to stop what you are doing and rush to the bathroom but you do not get there in time? (leak or wet pads)	.016	.225	.339	.572	.128	1.000	
7. In your opinion how good is your bladder control?	.387	.425	.478	.706	.462	.619	1.000

**Fig 1: The Scatter plot shows the correlation between visit 1 and 2**



Disclosures

**Funding:** Faculty of Medicine, Vajira hospital **Clinical Trial:** No **Subjects:** NONE