

## **Assessment of Overactive Bladder Symptom Score in a Community Based Population of Aging Men; Comparison with IPSS**

**INTRODUCTION AND OBJECTIVE:** Overactive bladder(OAB) is a common symptom syndrome with urgency, urgency incontinence, urinary frequency.

The aim of this study is to investigate the assessment of Over Active Bladder Symptom Score (OABSS) that is common usually using symptom assessment tool for OAB symptom through the association between the OABSS and the International Prostate Symptom Score (IPSS).

**METHODS:** A cross-sectional study was conducted of 200 men aged 40 years and older who participated in a prostate examination survey between February and May 2009. One investigator interviewed all participants with a structuralized questionnaire. The questionnaire included items on the IPSS, OABSS and their sociodemographic characteristics. A correlation analysis between IPSS and OABSS was used to identify validity of OABSS assessment tool for OAB.

**RESULTS:** The IPSS and OABSS score became significantly longer as the age increased. The mean of IPSS and OABSS in all the group were  $10.27 \pm 8.58$ ,  $3.30 \pm 3.44$  (Table 1).

In all the groups, Pearson's correlation coefficient between IPSS and OABSS was 0.759 and the coefficient between IPSS\_storage sum and OABSS 0.852, which is showed a high correlation. Regarding the each symptoms, the coefficient between IPSS\_frequency and OABSS\_frequency was 0.465, the coefficient between IPSS\_nocturia and OABSS\_nocturia was 0.893, the coefficient between IPSS\_urgency and OABSS\_urgency was 0.801, and the coefficient between IPSS\_urgency and OABSS\_urgency incontinence was 0.670. All of the value were statistically significant ( $p < 0.001$ ).

**CONCLUSIONS:** We can verify the validity of OABSS through high correlation with IPSS . These findings suggest that a symptom assessment for OAB symptom, the OABSS is useful tool for clinical practice.

Table 1. IPSS and OABSS by age				
	n	IPSS	IPSS_storage sum	OABSS
40-49	34	5.85 ± 5.14	2.41 ± 2.17	1.65 ± 1.47
50-59	106	7.36 ± 6.17	2.88 ± 2.58	1.92 ± 1.81
60-69	32	12.81 ± 9.07	4.68 ± 3.98	3.84 ± 3.50
≥ 70	61	16.48 ± 9.60	7.20 ± 4.20	6.33 ± 4.24
Total	233	10.27 ± 8.58	4.21 ± 3.75	3.30 ± 3.44