#20026 Correlations between metabolic syndromes related factors and urethral resistance in female functional bladder outlet obstruction

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Introduction Results **Hypothesis** Metabolic syndromes are contributing as Data of 64 FBOO patients and 105 healthy significant risk factors developing lower control females were analyzed. urinary tract symptoms (LUTS). Age, presence of diabetes (DM), systolic BP, · Our previous studies has supported that and heart rate showed significant correlations with presence of FBOO (Table 1). some factors of metabolic syndromes showed significant correlations with symptoms of overactive bladder (OAB) in le 1. Logistic regression analysis of metabolic syndrome factors in FBOO and co females. More evidences are supporting that 105 1.072 SD 49.9±14.1 45.9±6.8 nge 22 - 77 35 - 67 4(6.3) 1(0.9) 7(10.9) 7(6.6) metabolic syndrome may alter 21.627 neuromuscular functions by affecting 119.4±13.5 116.2±14.4 73.7±11.5 69.5±10.3 82.3±14.2 65.8±9.5 102.9±17.6 86.5±9.5 0.933 tissue oxygenation and 1.132 1.103 neurotransmission. Aim of Study Significantly higher heart rates in FBOO patients suggests that LUTS and control of we aimed to investigate the correlation sympathetic tone closely interact each other. among factors contributing metabolic - Significant correlation of consisting diseases or factors of metabolic syndromes and urethral syndromes and female functional bladder resistance in pressure flow studies also outlet obstruction (FBOO) suggest that metabolic syndromes contribute to develop or aggravate bladder and urethral function. Methods Conclusions <Subjects> This study suggests that contributing factors of - Female patients with LUTS who had been metabolic syndrome affect urethral function in diagnosed as FBOO FBOO. Clinical management of metabolic - All of them had confirmed not having syndrome as one of risk factors in FBOO anatomical bladder outlet obstruction(BOO) on should be concerned. cystoscopy and high urethral resistance appearing as Pdet Qmax > 60cmH2O, Qmax <15mls/sec on the pressure flow studies. <Control>

-Healthy females without LUTS with normal urinalysis results were enrolled as control group.

<Data & Analysis>

Data of fasting blood sugar (FBS), diastolic/systolic blood pressure (BP), serum triglyceride (TG), and serum total cholesterol levels, heart rate, body mass index(BMI), and medical histories were retrospectively analyzed using logistic regression analysis.

References

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