Urodynamic evaluation of detina ceecal-descending colon orthotopic neobladder

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[Foundation Project]: Hainan Medical University Scientific Research Fund Supported Project of the Journal (0020100331)
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Received: 2010-07-20    Revised: 2010-08-15    JHMC, 2010; 16(9): 1183-1184

View from specialist: It is creative, and of certain scientific and educational value.

[ABSTRACT] Objective: To assess the continence outcomes of detina ceecal-descending colon orthotopic neobladder. Methods: Urodynamic studies were carried out in 13 patients that underwent radical cystectomy and detina ceecal-descending colon orthotopic neobladder. The continence status, maximum urinary flow rate, postvoid residual, compliance, stability, sensation, capacity, voiding cystometry were detected. Results: Average follow up of 15 months ranging from 6 to 19 months showed all 13 cases were completely continent during day time while only 10 of them got complete continence at night. Only 3 cases suffered from nocturnal incontinence. The mean maximum urinary flow rate was 18.6 mL/s (14.5-26.5 mL/s), mean postvoid residual was 25.5 mL (0-55 mL), mean compliance was 27.3 mL/cmH₂O (20-30 mL/cmH₂O), mean capacity was 355.7 mL (290-550 mL), and the mean pressure of filling phase was 24.54 cmH₂O (12.47-34.50 cmH₂O) (1 cmH₂O = 0.098 kPa). The neobladder stability was in good condition, but the neobladder sensation and contraction was decreased. Conclusion: Detina ceecal-descending colon orthotopic neobladder shows good continence outcomes, low pressure from the pouch and is highly recommended.

[KEY WORDS] Bladder neoplasms; Total cystectomy; Urodynamics