

Urinary Incontinence in a Woman

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BRIEF HISTORY

A 52 year old woman had urinary incontinence during coughing, sneezing, running and lifting heavy loads. She had to wear a pad to protect her clothes from urine leakage during daily activities. She had a total abdominal hysterectomy for myoma uteri 5 years ago. She had no history of urinary tract infection.

URODYNAMIC STUDY

Videourodynamic study (VUDS) revealed increased bladder sensation and urgency at a volume of 260 mL. When performing the cough test, urine leaked with an increased abdominal pressure of 121 cm water. (1) Urine leakage was noted during the Valsalva maneuver at an increased pressure of 159 cm water. (2) There was bladder neck opening and urethral incompetence during stress tests. (3) The bladder base did not descend during these tests, however.

DIAGNOSIS AND MANAGEMENT

The VUDS findings indicated an incompetent bladder neck and urethra, which caused urine leakage during increased abdominal pressure. A suburethral sling should correct her intrinsic sphincter deficiency and allow her to regain urinary continence.

