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Title: MORBIDITY OF URODYNAMIC INVESTIGATION

Aims of Study:

To determine the incidence of urinary tract symptoms and/or infection after urodynamic investigation (UDS).

Methods:

Between January and December 1999, we prospectively studied 106 incontinent women who were referred to our institution for UDS. All patients underwent focused history and physical examination. They subsequently underwent medium fill urodynamics (cystometrogram –CMG- and Pressure /flow study), with 2 numbers 4 urethral catheters and one rectal balloon catheter. After a medium of 7 days, a second examiner interviewed the patients, regarding urinary symptoms and their personal impression about the UDS. At that time urine was sent for culture

Results:

30 of the 106 patients (28%) complained of the onset of new symptoms after the UDS. Increased urinary frequency in 13 patients (12%) and pain on urination in 11 patients (10%) were the most common complain. 13 patients (12%) had greater than 2 symptoms.

12 patients (11%) developed bacterial growth in the urine analysis, defined as more than 100.000 cfu/ml. Only 4 of those had urinary symptoms associated.

88 patients (83%) stated that they would do the UDS again if necessary

Conclusions:

UDS is associated with low morbidity and good tolerability. Bacteriuria was mostly asymptomatic, suggesting that these new symptoms were due to mechanical trauma rather than from infection. Despite that, the majority of the patients would repeat the UDS if necessary.

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