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URODYNAMIC OBSERVATIONS IN PATIENTS 12 TO 18 YEARS OLD WITH REFRACTORY NOCTURNAL ENURESIS.

Hypothesis / aims of study

To document urodynamic observations in patients 12-18 years old with refractory nocturnal enuresis who failed medical treatment for at least 6 months

Study design, materials and methods

This is a case series study that included 95 consecutive patients 12-18 years old, presented to our hospital complaining of nocturnal enuresis that is resistant to treatment for at least 6 months.

Full urodynamic study was done in the supine position with 50 ml/min infusion rate.

Urodynamic observations were collected and analyzed using SPSS version 15.

Results

Testing revealed no abnormality in 20 cases (19%); 20 cases had uninhibited contractions (19%); in 8 cases there was DSD (7.6%); in 9 cases, infra vesical obstruction was suggested (8.5%); 7 cases had low compliance (6.6%); motor atonic bladder was diagnosed in 2 cases (1.9%), and in 29 cases multiple observations were noted (27.5%).

Interpretation of results

Urodynamic observations in patients 12- 18 years old with refractory NE can be variable. In this series the majority of cases showed multiple observations (27.5%), while 19 % showed no abnormalities.

Concluding message

The variety of urodynamic observations in patients with refractory NE makes it mandatory to test those patients before continuing treatment.

The majority of cases will reveal multiple results while 20% of cases will be urodynamically free.

Disclosures

Funding: Non **Clinical Trial:** No **Subjects:** HUMAN **Ethics Committee:** Assiut faculty of medicine ethical committee **Helsinki:** Yes **Informed Consent:** Yes