INTRODUCTION

Detrusor underactivity (DU) is a prevalent condition, affecting up to 48% of men under 70 years old and 12-45% of elderly women. Its etiopathogenesis remains to be understood completely, however we know it may be a consequence of a neurogenic or a non-neurogenic insult. A variety of non-validated urodynamic criteria have been proposed to diagnose detrusor underactivity, such as:

- $\Delta \leq \text{BVI} < 100$
- $Q_{\text{det}} + P_{\text{det max}} \leq 20 + Q_{\text{max}} < 15 \text{ml/s}$
- $\Delta \leq \text{BVI} < 100 + \text{BOOI} < 20$

Nonetheless, these criteria are not validated yet.

OBJECTIVES

1. Accurately diagnose DU in 506 consecutive patients who had conventional urodynamics between 01/04/2016 and 31/12/2018.
2. Define urodynamic criteria used by the International Continence Society reports of 2016 and 2019.
3. Define DU patient demographics and clinical parameters and urodynamic findings were determined and are detailed in the Table.
4. Statistical analysis was by t-test and Chi-Square analysis and significance determined as p < 0.05.

METHODS

- We retrospectively validated the urodynamic findings in 506 consecutive patients who had conventional urodynamics between 01/04/2016 and 31/12/2018.
- The terminology and urodynamic criteria were defined by the International Continence Society reports of 2016 and 2019.
- Details on DU patient demographics and clinical parameters and urodynamic findings were determined.

INTERPRETATION OF RESULTS

- DU affects a considerable proportion of patients referred to our tertiary referral urological unit.
- Sets A and B have different prevalence rates but still present the same demographic and urodynamic characteristics.
- Women with DU were younger, had less comorbidities than men, and higher rates of urgency symptoms and urinary incontinence.

CONCLUSIONS

- There is no significant statistical difference in clinical or urodynamic patients characteristics when using different urodynamic criteria to diagnose DU or regarding their treatment.
- Set B criteria narrowed the number of patients labeled with DU which might reduce the number of patients treated.
- A standardized urodynamic definition of DU is needed.

REFERENCES


#329 UNDERACTIVE DETRUSOR DIFFERENT WAYS OF DIAGNOSING AN UPCOMING CONDITION

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