Reviewer's report

Title: Correlation between Penile Cuff Test and Pressure-Flow Studies in patients candidates for Trans-Urethral Resection of Prostate

Version: 2  Date: 20 October 2014

Reviewer: Antonio A Cicione

Reviewer's report:

In this prospective study, Authors assessed the relationship between Penile Cuff Test (PCT) and Qmax at uroflowmetry exam in 49 male patients candidate to endoscopic trans urethral resection of prostate.

The study outcome is interesting. Introduction section clearly reports the study background with a brief description on how PCT works and study’s purpose too.

Some considerations:

Discretionary Revisions

1. Line 124 LUTS as indication for TURP, please consider to report the I-PSS score if it was used.

2. As well as, consider to insert a simple table reporting patients features such as PSA level, age, IPSS (if performed), previous LUTS-BPH medications, and uroflowmetry exam findings (Qmax, Qave, minitional and post voided urine volumes). This improves the study interpretation.

3. Although the values to compute accuracy indexes are reported in results section and the indexes in table 1, consider to use a further 2X2 or 2X3 table (in case of equivocal category is reported) in order to show the correlation between “obstructed” and “unobstructed” patients at PCT and PFS respectively. This could be the manuscript lecture more fluent.

4. Reading the methods is not enough easy and rapid to understand how patients were assessed. It looks that patients were initially classified as obstructed or not obstructed on the basis of PCT result and a following urodynamic test was performed as referencing test to confirm or not the initial diagnosis and so to compute the accuracy of PCT results. Furthermore a Qmax #10 ml/s cut-off, was also subsequently used to assess if PCT accuracy may have increased. For this, in the study flow-diagram the third line (when patients were assessed by PFT ) could be united in order to give a immediate idea on study methodology to reader.

5. Due to unpopular nature of PCT test (as Authors also declared in introduction), inserting a picture of PCT with its diagnostic diagrams could improve the paper.

Level of interest: An article whose findings are important to those with closely related research interests
Quality of written English: Acceptable

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:
I declare that I have no competing interests