The long term durability of HoLEP beyond 10 years: where is the evidence? Can we predict continence and sexual function after surgery?

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We reviewed our data base to document the durability of outcomes of HoLEP on a large cohort of patients (949), over a 10 years follow up period, with 161 patients followed for 9 years and 89 followed for 10 years. Both objective and subjective parameters will be presented. The utility of following the PSA data in a longitudinal fashion proved to be very helpful in predicting patients who develop prostate cancer during follow up. The overall reoperation rate over the 10 year follow up was 3.1 % which compare very favorably with other surgical treatment modalities.

We will review the results of all the previous publications for the durability of outcomes obtained by HoLEP, TURP, Open Prostatectomy as well as for other minimally invasive techniques.

The incidence of stress urinary incontinence after HoLEP is quite variable but the incidence of persistent SUI up to 2 years varied between 0.6-3.2 %. In our cohort of patients we 0.5 % persistent SUI at 2 years. We analyzed all potential variables that could influence the development of SUI in our patient population and will share the results of this analysis.

In addition we evaluated the impact of HoLEP and Green light laser vaporization on sexual function in our randomized and non randomized studies by analyzing each sexual domain separately using international index of erectile function (IIEF).

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