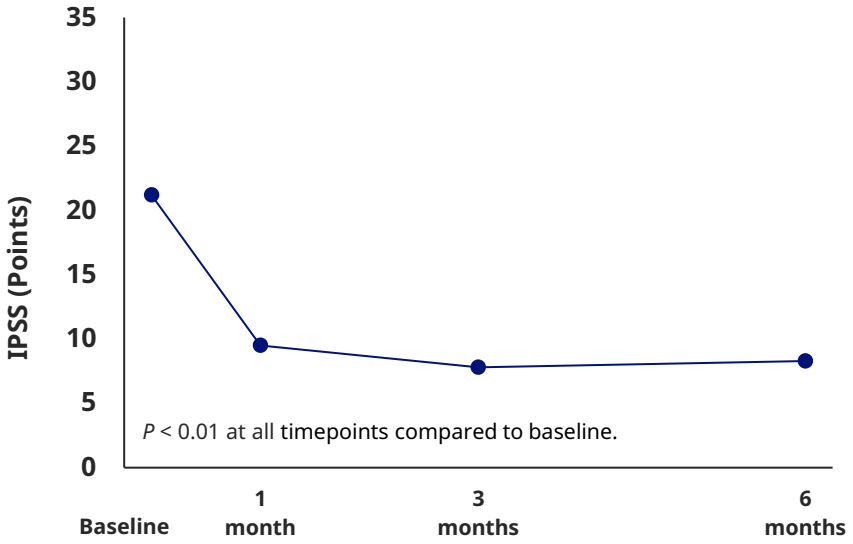
# Urinary and sexual function after treatment with temporary implantable nitinol device (iTind) in men with LUTS: 6-month interim results of the MT-06-study

De Nunzio C, Cantiello F, Fiori C et al. World J Urol. 2021;39(6):2037-2042.

At 6 months, the iTind procedure group demonstrated a significant improvement in symptoms, with a -60.85% (P < 0.01) reduction in IPSS compared to baseline.




Abbreviations: IPSS (International Prostate Symptom Score); QoL (Quality of Life); Qmax (Maximum urinary flow rate).

## Objective

To evaluate functional outcome and preservation of urinary continence and sexual function in men treated with the iTind procedure for lower urinary tract symptoms (LUTS) due to benign prostatic hyperplasia (BPH).

## Results

- Seventy patients with a median age of 62.3 years and a mean prostate volume of 37.7 ml (15–80 ml) were enrolled.
- Compared to baseline, all parameters showed significant improvements ($P < 0.01$):
  - IPSS decreased from 21.2 ± 6.0 to 8.3 ± 6.7.
  - QoL score improved from 4.1 ± 1.0 to 2.0 ± 1.4.
  - Qmax increased from 7.3 ± 2.2 to 12.0 ± 5.4.
- All patients showed preserved sexual function and urinary continence according to ISI, SHIM and MSHQ-EjD questionnaires.
- No intraoperative complications were observed; average post-operative VAS score was 3.2 ± 2.6.

## Conclusion

Treatment with the iTind procedure preserves urinary continence and sexual function, offers rapid recovery, and provides significant improvements in LUTS and urinary flow at 6-month follow-up.

Product: The iTind Procedure.

Link to Publication

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M/S S00726 EN V01• 09/25 • OEKG
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