



THE MINIMALLY INVASIVE INFRAPUBIC INFLATABLE PENILE PROSTHESIS: A 1000-PATIENT REVIEW

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ABSTRACT

Objective: To further describe and illustrate a *simplified* approach for the infra-pubic inflatable (three-piece) penile prosthesis and review its efficacy, post-operative morbidity, and resultant patient return to function.

Methods: Retrospective review of N = 1098 inflatable penile prostheses implanted from January 2002 to May 2009. All IPP's were Coloplast Titan (previously Mentor) three-piece penile prostheses implanted by one surgeon. 931 patients were original implants (84%), 138 revisions (13%) and 29 reimplants (3%). Nearly all patients received similar pre- and intra-operative antibiotic prophylaxis (flouroquinolone and hibiclens 24-hours before the procedure and Vancomycin and Gentamycin preoperatively). Modifications to the previously presented (SMSNA 12/07) Minimally Invasive approach include: patients are no longer catheterized, only 60cc reservoirs are utilized and there is no dilation of the corpora beyond use of an artificial erection. All patients receive a #7 JP drain (removed the following day). Patient follow-ups were reviewed postoperatively for six-weeks. All immediate and delayed complications were reported.

Results: The Minimally Invasive (Perito Penile Implant) technique was easily reproduced in 624 (67%) virgin cases. The remaining 307(33%) virgin cases required ancillary techniques to achieve implantation (i.e. Modeling). All revisions cases were conducted via infra-pubic technique regardless of initial approach. Ten infections (.91%) occurred and two were successfully salvaged. Two urethral injuries occurred distally and were repaired primarily. Two patients presented with significant scrotal hematoma and required drainage. No patients experienced glandular anesthesia or hypoesthesia after six-weeks. 901 (82%) of patients were instructed to resume sexual function at four-weeks and all remaining patients were instructed by six-weeks.

Conclusion: The Minimally Invasive (Perito Implant) infra-pubic penile prosthesis implantation is safe, efficacious and offers patients a rapid return to sexual function. Post-operative outcomes mirror clinical literature of other approaches.