

## Clinical Outcome: Patient and Partner Satisfaction after Penile Implant Surgery

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### ABSTRACT

**Background:** Erectile dysfunction (ED) is a common disorder, which affects at least 50% of males aged 50–70 years. According to EAU Guidelines on male sexual dysfunction, implantation of an inflatable penile prosthesis (IPP) is a valid, third-line therapeutic option for treatment of ED.

**Objective:** We conducted a retrospective single centre study to analyze mechanical reliability, complication rate, patient satisfaction and quality of life after penile prosthesis implantation.

**Materials and Methods:** A total of 126 electronic patient files after primary implantation of an IPP during a 5-year period were investigated. A structured telephone interview concerning patient and partner satisfaction was conducted at least 1 year after implant surgery.

**Results:** We found that 15 patients (11.9%) had revision surgery for various reasons. Mechanical failure occurred in 7.14% of the patients and was the main reason for revision surgery. Other major complications and complaints were loss of penile length (18.53%), postoperative pain (11.9%) and altered sensation (8.73%). No patients required explantation for infection, and 1 patient (0.79%) underwent revision surgery for an imminent erosion. One year or more after surgery, the patient and partner satisfaction rates, were 83.2 and 85.4%, respectively. We observed very high patient and partner satisfaction rates for the implantation of an IPP, with improvement of the general quality of life. These rates are negatively influenced by the occurrence of postoperative complications and complaints such as postoperative penile length shortening, pain and floppy glans syndrome. Most patients regain sexual function 6 weeks after surgery with no or minimal effect on the orgasm.

**Conclusion:** The implantation of a 3-piece IPP has proven an effective, third-line treatment for patients with ED.

## COLOPLAST KEY TAKEAWAYS

- The satisfaction rate of patients with the Coloplast Titan was 91.1% while the patient satisfaction rate for the AMS LGX was 80.4%.
- Of all the mechanical failures, 77.8% occurred with an AMS prosthesis.
- 85.4% of partners were happy with the prosthesis.
- A 30% increase in Quality of Life (QoL) from 2/5 pre-operatively to 3.5/5 post-operatively was observed measured on a subjective scale of 0-5.

**Indications:** The Titan, Titan OTR and Titan Touch Inflatable Penile Prosthesis is indicated for male patients suffering from erectile dysfunction (impotence) who are candidates for implantation of a penile prosthesis.

**Contraindications:** The Titan, Titan OTR and Titan Touch Inflatable Penile Prosthesis is contraindicated in patients with an active infection present anywhere in the body, especially urinary tract or genital infection; with a documented sensitivity to silicone; with unresolved problems affecting urination, such as an elevated residual urine volume secondary to bladder outlet obstruction or neurogenic bladder; or, unwilling to undergo any further surgery for device revision.

**Warnings:** Implantation of the device may make latent natural erections, as well as other interventional treatment options, impossible. Men with diabetes or spinal cord injuries, as well as immunocompromised patients, may have an increased risk of infection associated with a prosthesis. Failure to evaluate and promptly treat erosion may result in a substantial worsening of the condition, leading to infection and loss of tissue. Implantation of a penile prosthesis may result in penile shortening, curvature or scarring. Pre-existing abdominal or penile scarring or contracture may make surgical implantation more complicated or impractical.

**Precautions:** Surgeons implanting penile prostheses should be familiar with the currently available techniques for measuring the patient, determining implant size, and performing the surgery. Removal of an implanted prosthesis without timely reimplantation of a new prosthesis may complicate subsequent reimplantation or may make it impossible.

**Potential Complications:** Potential complications include scrotal swelling, auto-inflation, discomfort, angulation/curvature, edema, device malfunction, chronic pain, difficulty with ejaculation, transient urinary retention.

The information provided is not comprehensive with regard to product risks. For a comprehensive listing of indications, contraindications, warnings, precautions, and adverse events refer to the product's Instructions for Use. Alternatively, you may contact a Coloplast representative at 1-800-258-3476 and/or visit the company Website at [www.coloplast.us](http://www.coloplast.us).

**Caution:** Federal law (USA) restricts this device to sale by or on the order of a physician. See the device manual for detailed information regarding the implant procedure, contraindications, warnings, precautions, and potential complications/adverse events.

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