Bulbar AUS placement is safe and effective for PP-SUI with high patient satisfaction. Complications are slightly more post-radiotherapy.

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Background

Post-prostatectomy SUI is reported in around 5-30% of men after 12 months of surgery. Bulbar AUS implantation is the gold-standard line of treatment in nearly all guidelines.

The aim of the study was to review and assess outcomes, including success and complication rates, comparing long-term results in irradiated versus non-irradiated patients

Methodology

Retrospective analysis of 180 patients with AUS for PP- urodynamic proven SUI in one centre between 2014 and 2023. Data about patient demographics, peri-operative complications, revision& success rates and quality of life were collected. Comparison between irradiated and non-irradiated patients was established.

Results

Total 180 patients, 88 patients met inclusion criteria

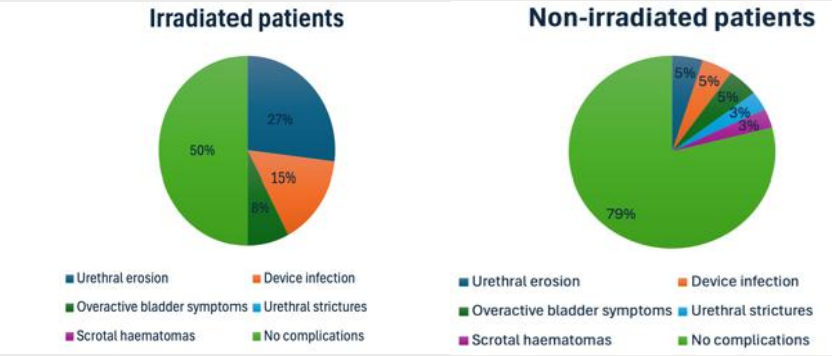
26 patients received radiotherapy

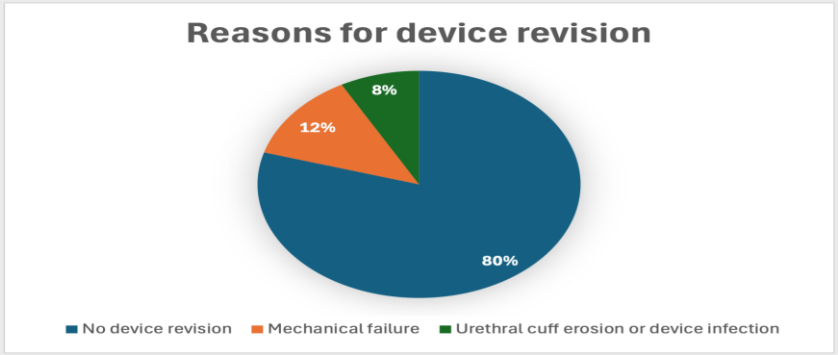
Mean age 69 years (±7.2 SD)

Mean follow-up duration 18.4 months (±4.48 SD)

All patients reported improved QoL post-procedure, 80% considering the operation life-changing and willing to recommend it to others.

Complications





new onset overactive bladder symptoms, urethral strictures, and scrotal hematomas were more common in non-irradiated patients (3 vs. 2, 2 vs. 0, and 2 vs. 0, respectively).

Conclusion

Overall long-term outcomes were satisfactory across both cohorts

Bulbar AUS placement is safe and effective for PP-SUI even after radiotherapy with high patient satisfaction