OICS

Pad-demic: Post Prostatectomy Incontinence Waiting Times *Abstract 355*

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Hypothesis / aims of study

Post prostatectomy risks include incontinence and impotence, requiring a holistic approach to follow up and timely referral to sub-specialties when required.

Aim: To evaluate the time interval between primary prostate surgery to first assessment and surgical management of urinary incontinence plus assessment of the impact of the Covid-19 pandemic on these outcomes.

Study design, materials and methods

Inclusion criteria: Primary AUS insertion for urodynamic confirmed post prostatectomy incontinence (PPI). Retrospective cohort analysis was performed. Patients were identified by operative coding, and data collection performed from electronic patient records. Procedures by one of three surgeons, in a single centre, and all had implantation of an AMS 800TM system.

Outcomes:

1) Time to first assessment by functional urologist following primary prostate surgery

2) Time to surgical intervention (AUS) for incontinence from first assessment

3) Impact of the Covid-19 pandemic on waiting times for AUS surgery

Secondary outcomes included: post-operative continence, rates of infection, erosion, device failure and explanation/renewal of the device.

Results

Year of	Total	Interval to first	Interval to AUS
	Total	functional review	post review
review	patients	(months)	(months)
2006	3	18.3	7.1
2007	4	26.3	17.9
2008	3	20.7	5.0
2009	6	39.3	8.4
2010	8	24.8	8.6
2011	13	24.3	6.6
2012	11	43.4	7.1
2013	20	27.9	10.1
2014	9	24.8	29.4
2015	20	33.5	6.6
2016	8	30.3	19.2
2017	12	47.3	11.0
2018	16	19.8	9.0
2019	11	17.4	11.9
2020	5	24.1	22.2
2021	7	25.9	10.9
2022	4	68.6	6
Total	160		
Mean		30.4	11.6

Total = 160 patients with post prostatectomy incontinence underwent AUS insertion over a time period of 16 years – see table 1.

Secondary outcome	Patient %
Infection	10%
Erosion	10%
Device failure	14%
Explantation/renewal	26%
Complications in first 28 days	14%

Secondary outcomes follow up spanned up to 16 years - see table 2.

Post-operative incontinence was assessed comparing urine collection methods.

Pre-op pad use: 77.5% = 1-10 per day. The remaining patients used a combination of methods.

Post-op: one patient had device failure = 12 pads per day, remaining patients maximum 4 pads

79.4% of patients achieving social continence (0-1 pads) following AUS surgery.

Interpretation of results

Outcome 1:	Wait time ave	erage 30.4 months	
Outcome 2:	Wait time ave	erage 11.6 months	
Outcome 3:	Wait time average for AUS:		
	2006 - 2019	11 months	
	2020	22 months	

Secondary outcome results demonstrated AUS insertion shows good continence outcomes with a low complication rate.

Conclusion

Men can be waiting years for specialist referral with PPI.

Once assessed, the average wait until AUS surgery is less than a year.

Outcomes post AUS insertion are favourable with low complication rates.

The Covid-19 pandemic had a significant impact on the wait times for patients awaiting incontinence surgery, doubling the wait time.