

Evaluation of the catheter related symptoms between suprapubic and standard catheter in Retzius Sparing RARP

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INTRODUCTION AND AIM

To evaluate the discomfort and catheter-related symptoms of a suprapubic catheter as opposed to the standard urethral catheter, in post-operative patients that underwent RS-RARP.

METHODS AND MATERIAL

We prospectively enrolled 64 patients that underwent RS-RARP by a single surgeon from October 2023 to April 2024. All patients had their catheter removed 7 days postoperatively. Feedback was obtained via a questionnaire regarding the urine drainage device used.

The levels of overall and penile pain were recorded in an objective pain scale 1-5 (none to very severe), including the frequency of bladder spasms and the overall discomfort caused by the draining device.

RESULTS

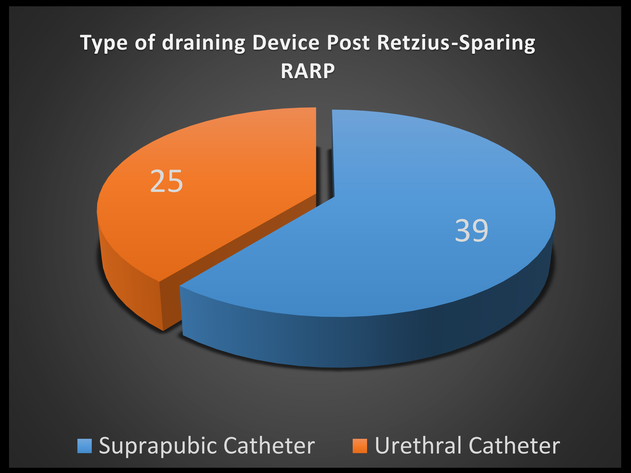
39 (60%) patients had a suprapubic catheter versus 25 (40%) who had a standard urethral catheter. In a pain scale from 1-5 the overall pain levels were 2.01 and 2.13, the penile pain 1.63 and 2.17, the frequency of bladder spasms 1.47 and 1.43 and the overall discomfort caused by the draining device 1.55 and 1.91 (p=0.03) for the SPC and the urethral catheter respectively.

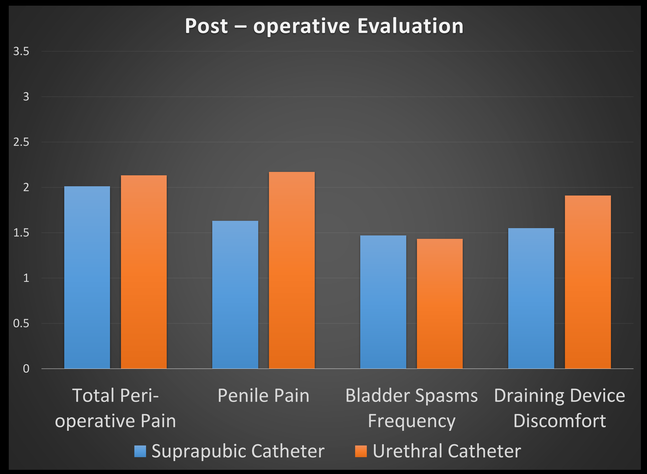
The penile discomfort was significantly reduced ranging between none and minimal in the SPC arm as opposed to minimal and moderate to the urethral catheter arm. (p = 0.01)

The use of SPC did not affect the frequency of the bladder spasms but did influence the overall pain levels and the satisfaction and convenience with regards the catheter draining device.

Table 1. Pain assessment

	Suprapubic Catheter	Urethral Catheter	P-value
	n=39 (60%)	n=25 (40%)	
Total post-operative Pain	2.01/5	2.13/5	
Penile Pain	1.63/5	2.17/5	0.01
Frequency of bladder spasms	1.47/5	1.43/5	
Discomfort caused by the draining device	1.55/5	1.91/5	0.03





CONCLUSIONS

The use of SPC in RS-RARP has a significant impact in the post-operative setting maintaining the catheter related symptoms to minimal levels compared to the conventional urethral catheter.

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