

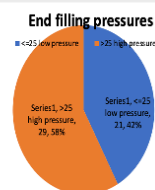
# Significance of UDS in prognostication of patients undergoing bladder outlet procedure with chronic retention

**Our aim** is to discern whether UDS is needed to prognosticate patients with chronic retention before subjecting them to Bladder outlet procedures and comparing the post operative outcomes in chronic retention with preop UDS tracing findings

We conducted the study to assess if Low pressure UDS findings with low pressure chronic retention( filling pressure < 25cm H2O)are not a contraindication for Bladder outlet procedures

Single centre prospective observational cohort study.

- The study population included 50 consecutive male patients, between 40 and 80 visiting the urology OPD with BPH with BOO undergoing TURP in the Department of Urology.
- Of the 50 patients in our study, only a total of four patients were dependent on CISC or indwelling catheter at 3 months



Comparison of preoperative and post operative IPSS- QoL within low and high pressure groups

Symptom score	End filling pressures	Pre op Median (Q1- Q3)	Post op Median (Q1- Q3)	P value
IPSS	Low pressure	24.5(19.5- 26.2)	9.5(6.5 – 12)	<0.001
	High pressure	24(22-27.8)	7.5(6 – 10)	
QoL	Low pressure	5(4-6)	2(1-3)	0.001
	High pressure	5(4-6)	2(1-2)	

Comparison of Preoperative uroflow findings w.r.t to End filling pressures.

Uroflow parameters	End filling Pressures	n	Median (Q1- Q3)	P value
PVR	Low pressure	21	415(342-500)	0.691
	High pressure	29	390(340-450)	
Qmax	Low pressure	21	4.20(2.25-6.75)	0.045
	High pressure	19	6.50(4.00-10.0)	

Uroflow parameters	BOOI/BCI	n	Pre op Median (Q1-Q3)	Post op Median (Q1-Q3)
PVR	Unobstructed, underactive	1	430 (365 - 850)	100 (48 - 180)
	Equivocal, underactive	8	480(350- 1200)	120 (50 - 135)
	Equivocal, normal	2	395(300 -	65 (50 -
	Obstructed, underactive	14	420 (347.50 - 675)	80 (28.75 – 124.25)
	Obstructed, normal	11	350 (317 – 392.5)	25 (10 -35)
	Obstructed, strong	2	375 (350	15 (10

	Unobstructed, underactive	12	5 (0.7 – 8.05)	8 (6.20 – 13.0)
Qmax	Equivocal, underactive	8	4 (2.1 – 7.00)	8.2 (6.4 - 17)
	Equivocal, normal	2	9.6 (6.2 -)	17.5 (15 -)
	Obstructed, underactive	14	4.20 (2.50 – 6.63)	13 (10.75 – 16.30)
	Obstructed, normal	11	7 (6.10 – 9.55)	14 (11- 19.5)
	Obstructed, strong	2	8.40 (4.0 -)	23 (22 -)

Table. Distribution of patients according to BOO and BCI.

**Conclusion**—Our study found that preoperative urodynamics did not significantly predict postoperative surgical outcomes, with 92% of patients remaining catheter-free at 3 months regardless of urodynamic group.

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