

Table 1: patient demographic characteristics and voiding parameters

Parameter	Value (n=105)
Age, yr, <i>mean</i> $\pm$ <i>SD</i> , (R),	52.87 $\pm$ 10.72, (28-87)
^b BMI, kg/m ² , <i>mean</i> $\pm$ ^c <i>SD</i> , (^a R)	25.67 $\pm$ 3.09, (19.25-33.20)
Obese, BMI $\geq$ 30, <i>no.</i> (%), (R)	29 (28.4), (30- 33.20)
Menopausal at the time of SUI operation, <i>no.</i> (%)	41(39)
Documented hysterectomy, <i>no.</i> (%)	8(7.7)
Smoker (current or former), <i>no.</i> (%)	13(12.3)
Number of Parity, <i>no.</i> (%)	
1	6(5.8)
2	13(12.6)
3	28(27.2)
3<	56(54.4)
SUI condition	
Pure	60(57.1)
Mix	45(42.9)
Preoperative Parameters	
Qmax, mL/sec, <i>mean</i> $\pm$ <i>SD</i>	25.73 $\pm$ 9.26
PVR, mL, <i>mean</i> $\pm$ <i>SD</i>	12.07 $\pm$ 6.55
Abnormal flowmetry pattern, <i>no.</i> (%)	16(15.2)
Voiding Dysfunction <i>no.</i> (%)	32(30.5)
Postoperative Parameters	
Qmax, mL/sec, <i>mean</i> $\pm$ <i>SD</i>	24.93 $\pm$ 9.52
PVR, mL, <i>mean</i> $\pm$ <i>SD</i>	18.30 $\pm$ 35.13
Abnormal flowmetry pattern, <i>no.</i> (%)	13(12.3)
Voiding Dysfunction <i>no.</i> (%)	25(23.8)
^a range; ^b body mass index; ^c standard deviation;	

Table 2: Cure rates at follow-up visits

Outcomes	Patients.no/total.no.(%)		P-value
	Cured at first year	Cured at third years	
Objective outcomes			
Patients with data available at 1 years and 3 years	85/103 (82.5)	80/101 (79.2)	P* = 0.61
Assuming all missing data were failures to follow-up	85/105 (80.95)	80/105 (76.19)	
Assuming all missing data were cured to follow-up	87/105 (82.80)	82/105 (78.09)	
Subjective outcomes			
Patients with data available at 1 years and 3 years	85/103(82.5)	83/101 (82.17)	P= 0.81
Assuming all missing data were failures to follow-up	85/105 (80.95)	83/105 (79.04)	
Assuming all missing data were cured to follow-up	87/105 (82.80)	85/105 (80.95)	
* One-way analysis of variance.			

Table 3: Subjective outcome results at 3 year follow up after MUS surgery

Outcomes	Patients.no/total.no.(%)			P-value
	Preoperative	First year follow up	Third years follow up	
Total urinary incontinence scales on UDI 6, <i>median (*IQR)</i>	18 (12-18)	0 (0-6)	0 (0-6)	P** <0.001
“Not at all” or a “little bit” on UDI 6, <i>no./total no. (%)</i>				
No documented Cough symptoms, (<i>question 3</i>)	0/105(0)	97/105(92.4)	97/105(92.4)	P <0.001
No documented urgency symptoms, (<i>question 2</i>)	60/105(57.14)	85/105(80.95)	85/105(80.95)	P <0.001
No documented Mesh erosion	---	102/105 (97.14)	102/105 (97.14)	
Patient satisfaction scales, <i>median (IQR)</i>	--	0 (0-8)	0 (0-8)	
“Very satisfied” or “satisfied” on SSQ-8		83/105 (79.04)	83/105 (79.04)	
* Interquartile range; **One-way analysis of variance				

Table 4: Multivariate analysis for preoperative predictors of PVD and subjective outcome

Parameter	PVD		Cure of USI		Patients' satisfaction (<i>n</i> =105)	
	<i>(n= 105)</i>					
	OR (95% **CI)	p-value	OR (95%CI)	p-value	OR (95% CI)	p-value
Demographics						
Age	1.04(0.99,1.10)	0.047	1.12 (0.92,1.22)	0.032	1.36(0.99,1.71)	0.042
Body mass index (kg/m2)	0.86(0.74,1.00)	0.065	0.94(0.80,1.11)	0.51	1.01(0.87,1.18)	0.83
Obese, *BMI≥ 30	0.74(0.61,1.30)	0.11	0.81(0.72,1.33)	0.19	0.93(0.80,1.40)	0.23
Menopausal statues	1.01(0.37,2.81)	0.97	1.11(0.36,3.46)	0.85	0.59(0.21,1.63)	0.31
Smoker (current or former)	0.29(0.05,1.57)	0.15	1.23(0.26,5.89)	0.79	2.17(0.55,8.56)	0.26
Number of Parity						
1						
2	0.21(0.02,2.69)	0.23	3.95(0.33,46.41)	0.27	0.84(0.098,7.24)	0.87
3 ≤ child	0.22(0.021,2.48)	0.22	1.7(0.22,12.84)	0.6	3.05(0.4,23.01)	0.28
	0.28(0.027,2.95)	0.29	3.62(0.48,27.37)	0.21	1.84(0.27,12.56)	0.53
Preoperative parameters						
Pattern of flowmetry	0.71(0.15,3.36)	0.66	1.83(0.29,11.43)	0.52	0.55(0.12,2.44)	0.43
Qmax (mL/sec)	1.44 (0.98,1.81)	0.035	1.02(0.95,1.09)	0.18	0.99(0.94,1.05)	0.25
PVR (mL)	1.001(0.98,1.02)	0.61	0.99(0.98,1.009)	0.52	0.99(0.97,1.002)	0.1
Voiding Dysfunction	2.04 (0.98,2.81)	0.021	3.85(1.01,5.58)	0.027	4.18(1.54,11.31)	0.005
Lacked of urgency symptom	2.52 (1.28,3.61)	0.01	3.15(1.62,6.11)	0.031	5.18(2.04,12.15)	0.009
* body mass index; **confidence interval;						