Supplementary material
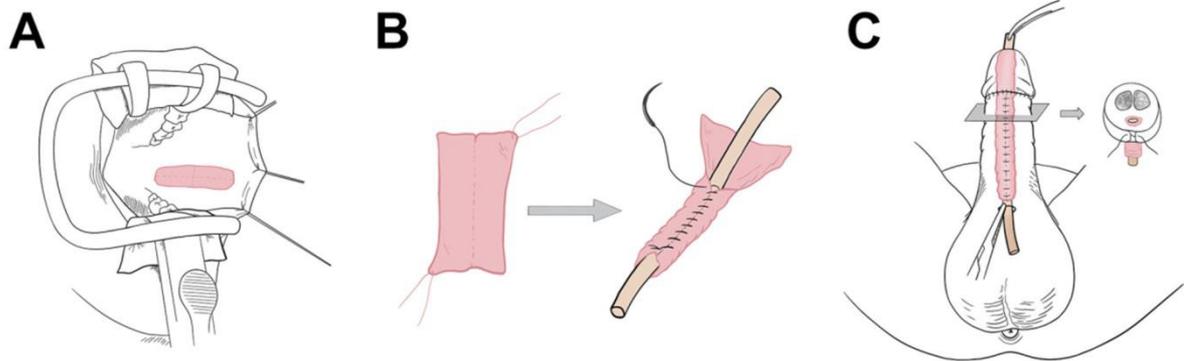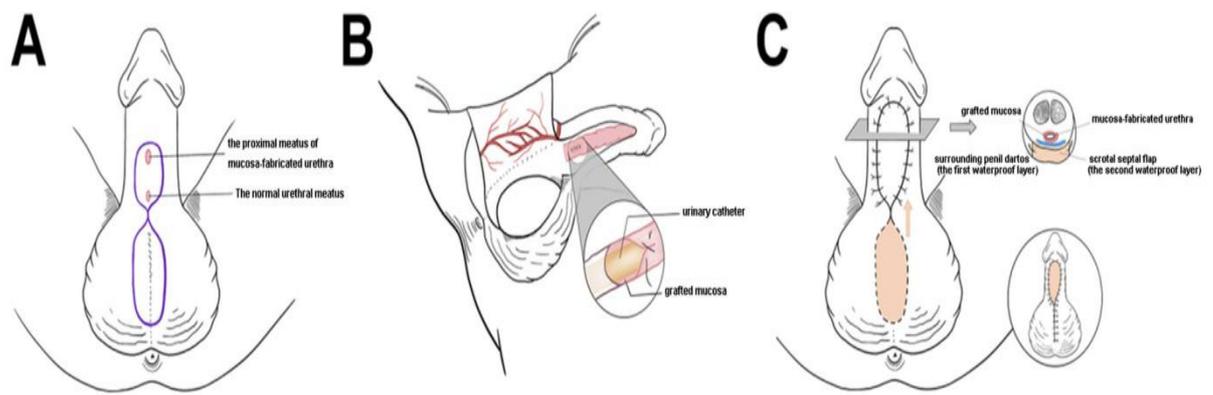

Supplementary Figure 1 An outer dressing was used to provide stress to adhere to the mucosal tube into the tunnel wall. A: The mucosal strip was obtained (length of 3.5-5.5 cm and width of 0.8-1.5 cm); B: The mucosal strip was sutured to form a tube; C: The mucosal tube was inserted into the tunnel.

Supplementary Figure 2 The island flap was transferred to cover the wound, a small latex drain was left in the donor site. A: The incision was marked before the operation; B: The new urethral mucosa and the normal urethral meatus were anastomosed around the catheter; C: The island flap was transferred to cover the wound.

Supplementary Table 1 Characteristics of the patients

	Scrotal septal flap (*n* = 46)	Prepuce flap (*n* = 51)	*P* value
Age (years)	24.0 ± 5.5	25.5 ± 5.0	0.0758
Types			0.473
Proximal penile	21	27	
Penoscrotal	25	24	
Initial surgery			0.993
Yes	18	20	
No	28	31	

Supplementary Table 2 Multivariable analysis of the maximal urinary flow rate

Characteristics	Univariable analyses			Multivariable analysis		
	OR	95%CI	*P* value	OR	95%CI	*P* value
Age	0.910	0.828-1.000	0.049	0.924	0.843-1.014	0.094
Initial surgery (no as reference)	0.691	0.300-1.593	0.386	0.690	0.288-1.653	0.405
Types (penoscrotal as reference)	1.128	0.504-2.525	0.770	1.147	0.489-2.691	0.735
Surgery types (prepuce flap as reference)	2.604	1.137-5.963	0.024	2.416	1.026-5.689	0.044

OR: Odds ratio; CI: Confidence interval

Supplementary Table 3 Multivariable analysis for the average urinary flow rate

Characteristics	Univariable analyses			Multivariable analysis		
	OR	95%CI	*P* value	OR	95%CI	*P* value
Age	0.985	0.912-1.062	0.690	0.998	0.922-1.080	0.957
Initial surgery (no as reference)	1.351	0.586-3.116	0.481	1.430	0.602-3.397	0.418
Types (penoscrotal as reference)	1.358	0.603-3.057	0.46	1.524	0.654-3.550	0.329
Surgery types (prepuce flap as reference)	2.377	1.032-5.474	0.042	2.484	1.054-5.854	0.038

OR: Odds ratio; CI: Confidence interval.