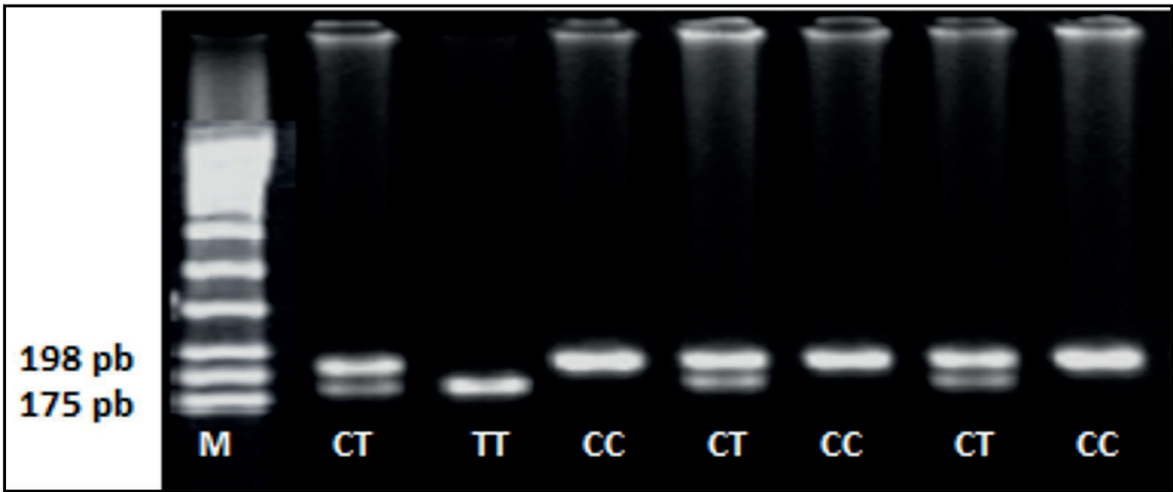




Supplemntary Fig. 1. *MTHFR* C677T gene variant genotyping results.
M, DNA size marker (100pb); CC, wild-type homozygote; CT, heterozygote; TT, mutant homozygote.

Supplementary Table S1. Association between maternal periconceptional folic acid supplement intake, anatomical types of hypospadias and *MTHFR* C677T genotypes.

Maternal periconceptional folic acid supplement intake			Types of hypospadias					P value
			Glanular N= 26 n(%)	Coronal N=33 n(%)	Penile N=14 n(%)	Scrotal N=22 n(%)	Penoscrotal N=10 n(%)	
Yes	<i>MTHFR</i>	CC	8	11	5	6	0	0.006*
	C677T	CT	9	6	3	4	0	
	genotype	TT	2	4	3	1	5	
No		CC	3	4	1	5	4	0.403
		CT	4	4	2	4	1	
		TT	0	4	0	2	0	

CI, confidence interval; OR, odds ratio; $p^*<0.05$

Supplementary Table S2. Association between maternal periconceptional folic acid supplement intake, isolated/ non-isolated hypospadias and *MTHFR* C677T genotypes.

Folic acid intake	Form	CC genotype		<i>P</i> value	OR (95% CI)	CT genotype		<i>P</i> value	OR (95% CI)	TT genotype		<i>P</i> value	OR (95%CI)	
		Yes	No			Yes	No			Yes	No			
Yes	Isolated	Yes	11	18	0.325	0.61	8	21	0.424	0.65	10	19	0.038	3.47
		No	19	19		(0.23-1.63)	14	24		(0.23-1.86)	5	33		(1.03-11.68)
No	Non-isolated	Yes	10	8	0.203	2.32	6	12	0.463	0.61	2	16	0.453	0.50
		No	7	13		(0.63-8.58)	9	11		(0.16-2.28)	4	16		(0.08-3.13)

CI: confidence interval; OR, odds ratio; $p^*<0.05$