



SDI Review Form 1.6

Journal Name:	<u>Journal of Advances in Medical and Pharmaceutical Sciences</u>
Manuscript Number:	Ms_JAMPS_34294
Title of the Manuscript:	CORRELATION BETWEEN GENE PROMOTER POLYMORPHISM AND ANDROGEN RECEPTOR GENE EXPRESSION WITH HYPOSPADIA INCIDENCE
Type of the Article	Original Research Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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PART 1: Review Comments

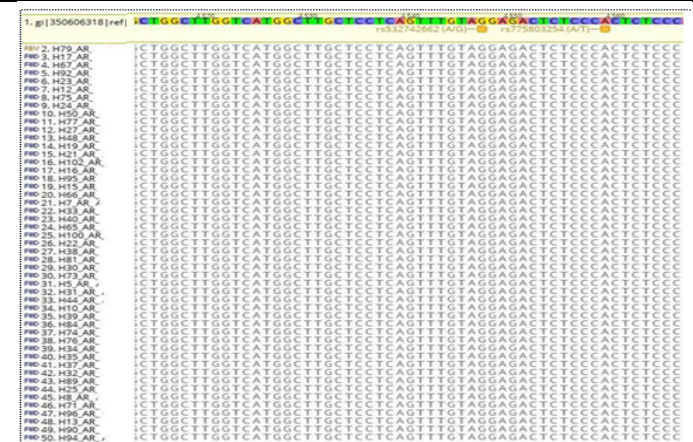
	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<u>Compulsory</u> REVISION comments	• In this article, the authors analyzed a partial sequence of the AR promoter searching for polymorphisms in children with hypospadias, and, at the same time, quantified AR expression in prepuce tissue. • It is not clear in Picture 1 which part (or percentage) of the promoter was analyzed, please include the whole promoter sequence, indicating the transcription/translation initiation sites. • Improve the quality of the figure. • In the results refer as the AR promoter instead of AR gene (Table 1, lines 109 and 112), this is because this analysis included only a part of the promoter and not the whole AR gene (the way is written is misleading). • Since no polymorphisms were found, I suggest analyzing the	• Yes • Ok, I will add the multiple alignment below this section • Ok • Table 1 tell us about the primer of androgen receptor gene, but at line 109 and 112, it tells about no polymorphism of androgen receptor found in this research. • Thank you, maybe in next research, because it takes a lot of money and more time. In the literature said that downregulated expression of androgen receptor can cause hypospadias • The reference gene used for qPCR analysis is on table 2, and i will add one of the standard curve below this. • Table 3 tells us about the characteristic of our sampel. Table 4 tells us about the type of hypospadias that we found in our patient



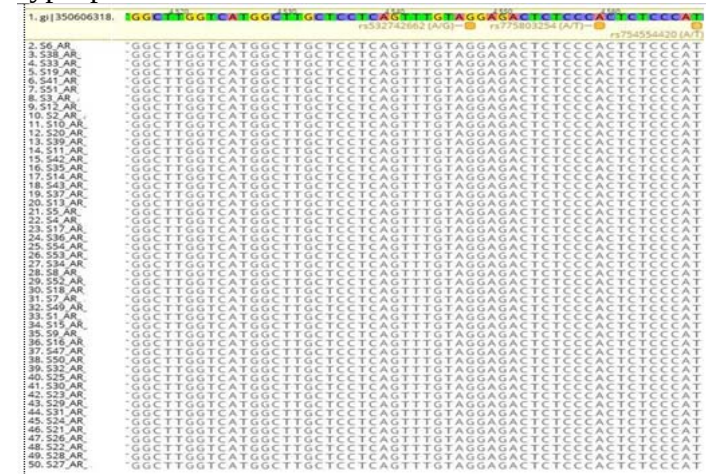
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whole promoter (to be sure that promoter polymorphisms do not exist), and, if possible, compare the methylation status of the AR promoter in patients with hypospadias versus normal. This is because differential methylation has been reported in the AR promoter (Vottero et al., 2011), however these authors reported higher methylation and lower AR expression in patients with hypospadias, contrary to the gene expression results presented in this article.

- Please indicate the reference gene(s) used for qPCR analysis, and the methods used to calculate gene expression (standard curve, comparative CT...). Include a figure showing gene expression results.
- Why are Tables 3 and 4 relevant?



This is multiple alignment Androgen receptor gene in hypospadias



This is multiple alignment Androgen receptor gene in control



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<u>Minor</u> REVISION comments	English edition is required.	
<u>Optional/General</u> comments		