

PEER-REVIEW REPORT

Name of journal: *World Journal of Clinical Cases*

Manuscript NO: 68917

Title: Complete androgen insensitivity syndrome caused by the c.2678C>T mutation in the androgen receptor gene: A case report

Reviewer's code: 03538158

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Associate Professor

Reviewer's Country/Territory: Japan

Author's Country/Territory: China

Manuscript submission date: 2021-07-01

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-07-08 04:09

Reviewer performed review: 2021-07-08 04:43

Review time: 1 Hour

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|---------------------------------|---|
| Scientific quality | <input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish |
| Language quality | <input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection |
| Conclusion | <input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input checked="" type="checkbox"/> Major revision <input type="checkbox"/> Rejection |
| Re-review | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| Peer-reviewer statements | Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |

SPECIFIC COMMENTS TO AUTHORS

Wang et al. reported cases with complete androgen insensitivity syndrome caused by the c.2678C>T mutation in the androgen receptor gene. 1. "A hemizygous variant c.2678C>T (p.P893L) was found in the LBD of the AR gene in a Chinese family affected with CAIS." Authors should show that this mutation in ligand-binding domain impairs nuclear-localization of AR in the presence or absence of androgen. In Figure 3, authors should use androgen-free medium in the presence or absence of androgen or DHT. 2. In China, ~10% of population has HBsAg. In the patients with this mutation, do they have less occurrence of HCC? This reviewer wants to know whether AR affects on the HCC occurrence or not in patients with HCV infection or HBV infection. Authors should discuss more. S Breidbart , R D Burk, P Saenger. Hormonal regulation of hepatitis B virus gene expression: influence of androgen receptor. *Pediatr Res.* 1993 Sep;34(3):300-2. doi: 10.1203/00006450-199309000-00012. Zuloaga DG, Morris JA, Jordan CL, Breedlove SM. Mice with the testicular feminization mutation demonstrate a role for androgen receptors in the regulation of anxiety-related behaviors and the hypothalamic-pituitary-adrenal axis. *Horm Behav.* 2008 Nov;54(5):758-66. doi: 10.1016/j.yhbeh.2008.08.004. Epub 2008 Aug 15. PMID: 18775430