

Review of: "[Hypothesis] The protective role of Testosterone in COVID-19"

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Potential competing interests: No potential competing interests to declare.

With reference to the above highlighted title, authors have contributed remarkable hypothesis explaining the role of testosterone acting as immune modulator in SARS-CoV -2 pandemic. Manuscript has been defined with rationale hypothesis by considering the previous published data and correlated with the existing pathway of entry of virus through the angiotensin-converting enzyme 2 (ACE2) receptor with subsequent fusion in the TMPRSS2 gene. A schematic diagram might be helpful as to understand the protective role of the testosterone in COVID-19. There seems to be paucity of write up according to titles required in manuscript (systematic review of published data and screening of papers with inclusion and exclusion criteria.) Minor changes can be considered before proceeding for publication of this hypothesis paper.

1. Diagrammatic presentation of hypothesis testing.
2. Methodology section emphasizing the data extracted and included for writing this hypothesis. e.g. (inclusion and exclusion criteria of published research papers, excluded research papers with reasoning.

Best wishes for all authors, who have made an attempt in writing this research paper.

With regards,

Dr. Aditya Dilipkumar Patil.