

Review of: "Breaking Stereotypes: Sectoral Varicocele Diagnosis Revolutionized by Doppler Ultrasound Advancements"

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Potential competing interests: No potential competing interests to declare.

This study investigated the accuracy of Doppler ultrasound (DUS) for varicocele diagnosis compared to the standard physical exam.

I believe that the study has sufficient merit to be considered for publication, although major revisions are required.

- Introduction: The introduction lacks a clear statement of the study's hypothesis. Clearly articulate the research hypothesis and its significance in addressing the limitations of current diagnostic methods. In this regard, I recommend reading and citing: (doi: [10.3389/frph.2022.791330](https://doi.org/10.3389/frph.2022.791330)). The study mentions the limitations of the physical examination but doesn't explore potential biases associated with DUS, such as operator dependence. Acknowledge and discuss these potential biases.
- Specify the criteria used by urologists to establish a reference standard diagnosis. Include information on the inter-rater reliability between urologists for physical examinations and potential variations in DUS interpretations.
- Discussion: Specify the criteria used by urologists to establish a reference standard diagnosis. This is crucial for understanding the reliability of the reference standard. Include information on the inter-rater reliability between urologists for physical examinations and potential variations in DUS interpretations. This will enhance the transparency of the study.