

# 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 article reports a study conducted to determine the effects of using Doppler Ultrasound on the diagnosis of varicocele. The study used the correct statistical methods to analyze the accuracy and other performance measures obtained when diagnosing the sample. The results demonstrated the usefulness of Doppler Ultrasound in increasing diagnosis reliability compared with manual examination. The results were adequately discussed, and the conclusion was clear and sensible.

I suggest adding another potential benefit to the use of Doppler Ultrasound, which is providing an opportunity for automatic detection. The author and readers may look into the following references, among others, to see how automatic detection of varicocele can be performed using Ultrasound images.

A. Abdalla, M. Abu Awad, O. AlZoubi, and L. Al-Samrraie, *Automatic Segmentation and Detection System for Varicocele Using Ultrasound Images*, Computers, Materials and Continua, vol. 72(1): pp. 797-814, 2022.

<https://www.techscience.com/cmc/v72n1/46914>

O. AlZoubi, M. Abu Awad, and A. Abdalla, *Automatic Segmentation and Detection System for Varicocele in Supine Position*, IEEE Access, vol. 9: pp. 125393-125402, 2021.

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