

Co-Designing AI-Enhanced Ultrasound Training for Endometriosis: A Thematic Analysis of End-user Perspectives

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Introduction and Objective

Artificial intelligence (AI) is playing an ever-increasing role in medical ultrasound, including practioner training. . To explore how AI could help with training for transvaginal ultrasound to diagnose endometriosis, we conducted a co-design workshop to understand the wants and needs of end-users.

Methodology

A co-design workshop was held on 4 October 2024 via Zoom. The workshop included 20 participants from 11 different countries, led by a facilitator experienced in co-design. Participants engaged in structured activities to address the following: How AI could address current challenges with learning and be integrated into training; and How such a tool would look, feel and function? Discussions were video-recorded and transcribed verbatim using AI transcription software. A thematic analysis was conducted using an inductive approach, with data independently coded to identify recurring themes.

Conclusion

This co-design workshop revealed end-users would want AI tools need to be accessible and provide feedback on skill development. End-users felt strongly about the need to retain a human element in training. Future work will incorporate these insights into prototype development and user testing of an AI training tool.



Results

