

Aims: This literature review aims to identify sensitivities and specificities of using ultrasound for the diagnosis of various diseases to help direct physician training for point-of-care ultrasound.

Materials and methods: A systematic search was conducted through Pubmed. Sensitivity and specificity were taken from the studied articles and considered given the methodology of the article. Articles associated across diagnosis or specific body parts were reviewed. Meta analysis and systematic reviews were used to further filter results. Over 1700 articles were returned. 10 articles were identified in this study.

Results: The overall sensitivities and specificities are variable depending on the diagnosis being studied. The composite sensitivities and specificities of multi-meta-analysis are reviewed across various pathologies. Consideration of the growing bodies of research in POCUS is necessary for developing effective clinical training for physicians.

Conclusion: As POCUS becomes more ubiquitous, directing training of future physicians towards high fidelity use cases may aid in diagnostics.