

## Abstract

Point-of-care ultrasound (POCUS) is an effective, cost-effective, and non-invasive medical tool that offers a valuable alternative to invasive procedures in various medical settings.



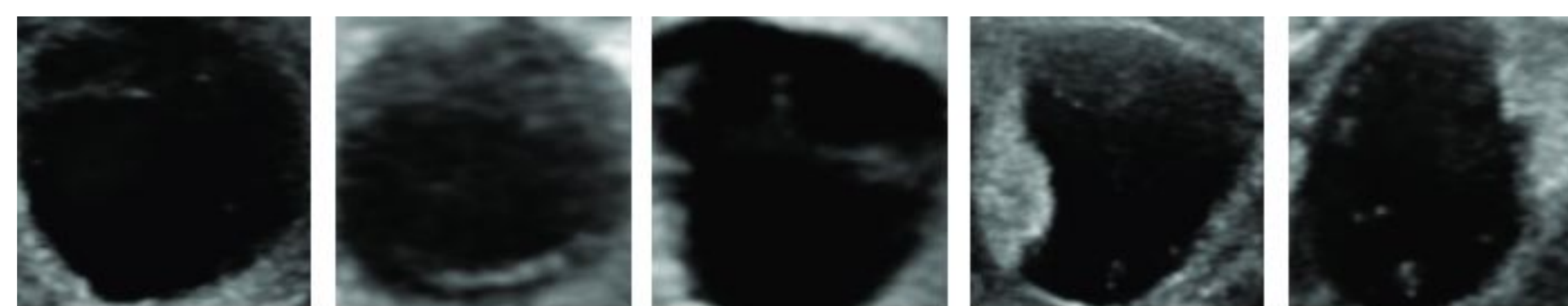
Despite its potential benefits, POCUS for the thyroid receives less attention than other organ systems, leading to a lack of engagement and effectiveness.



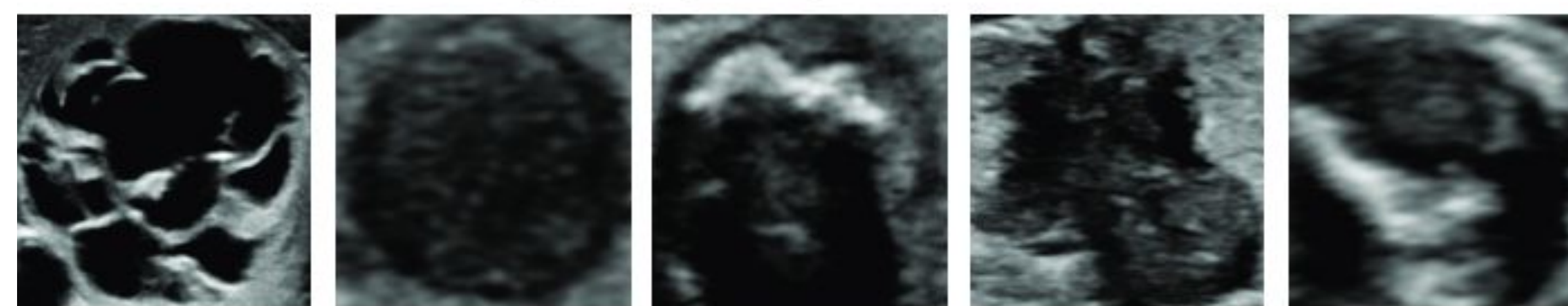
Insufficient training and education on detecting thyroid nodules using POCUS, resulting in low confidence in thyroid cancer detection.



Provide training at an undergraduate level to increase POCUS access.

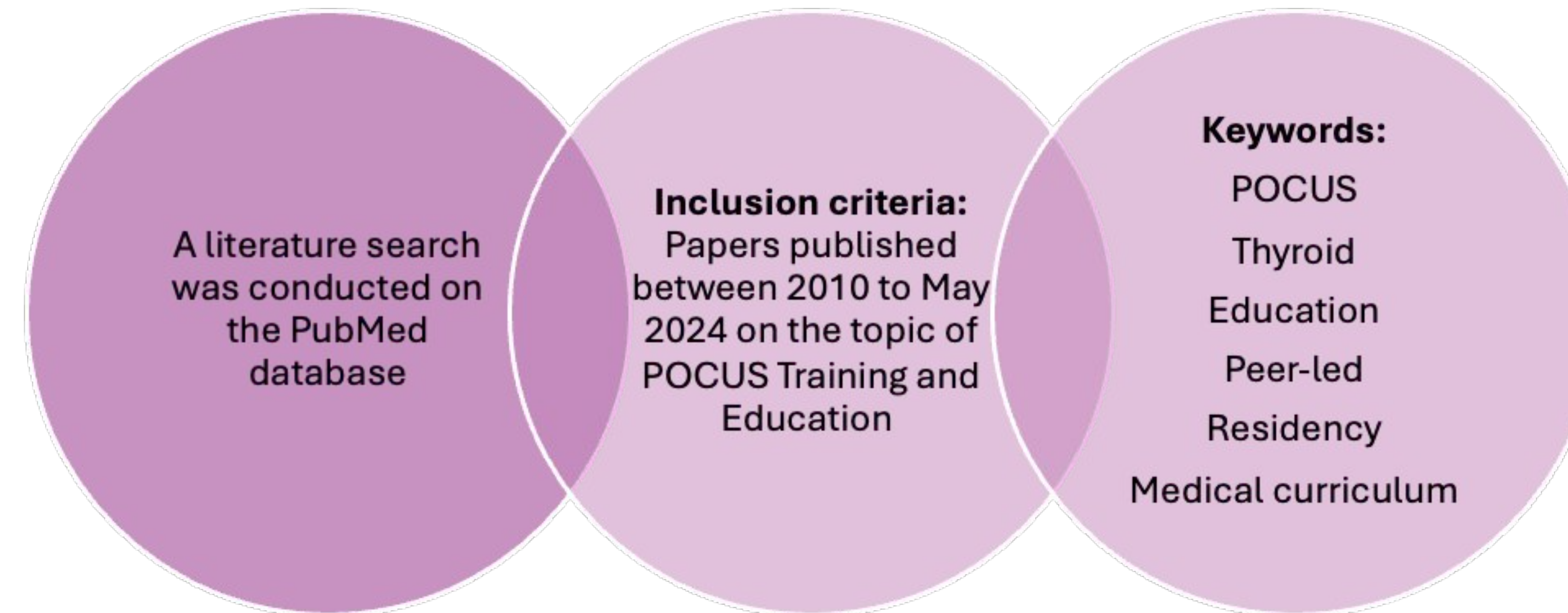


(a) Benign Thyroid Nodule



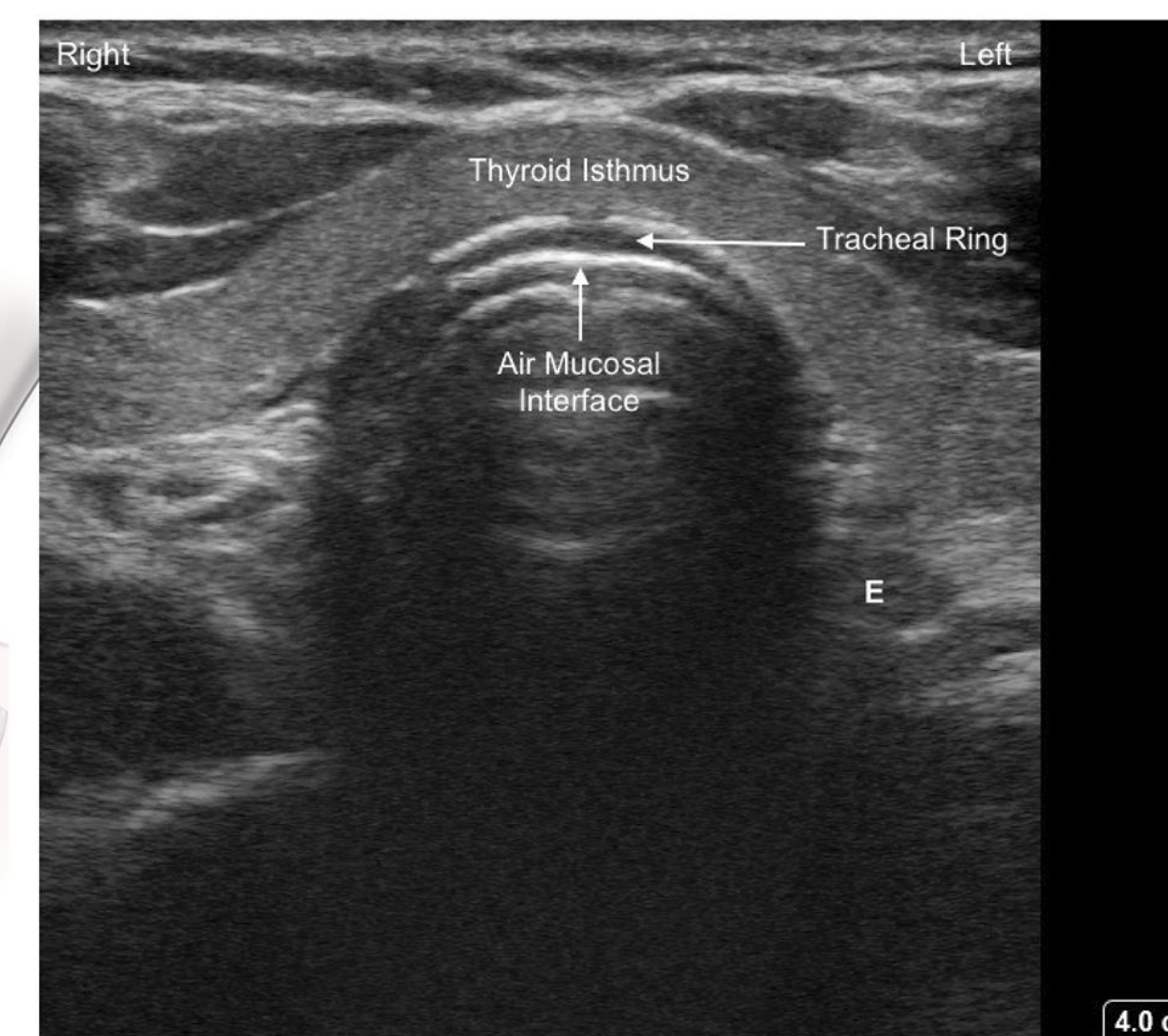
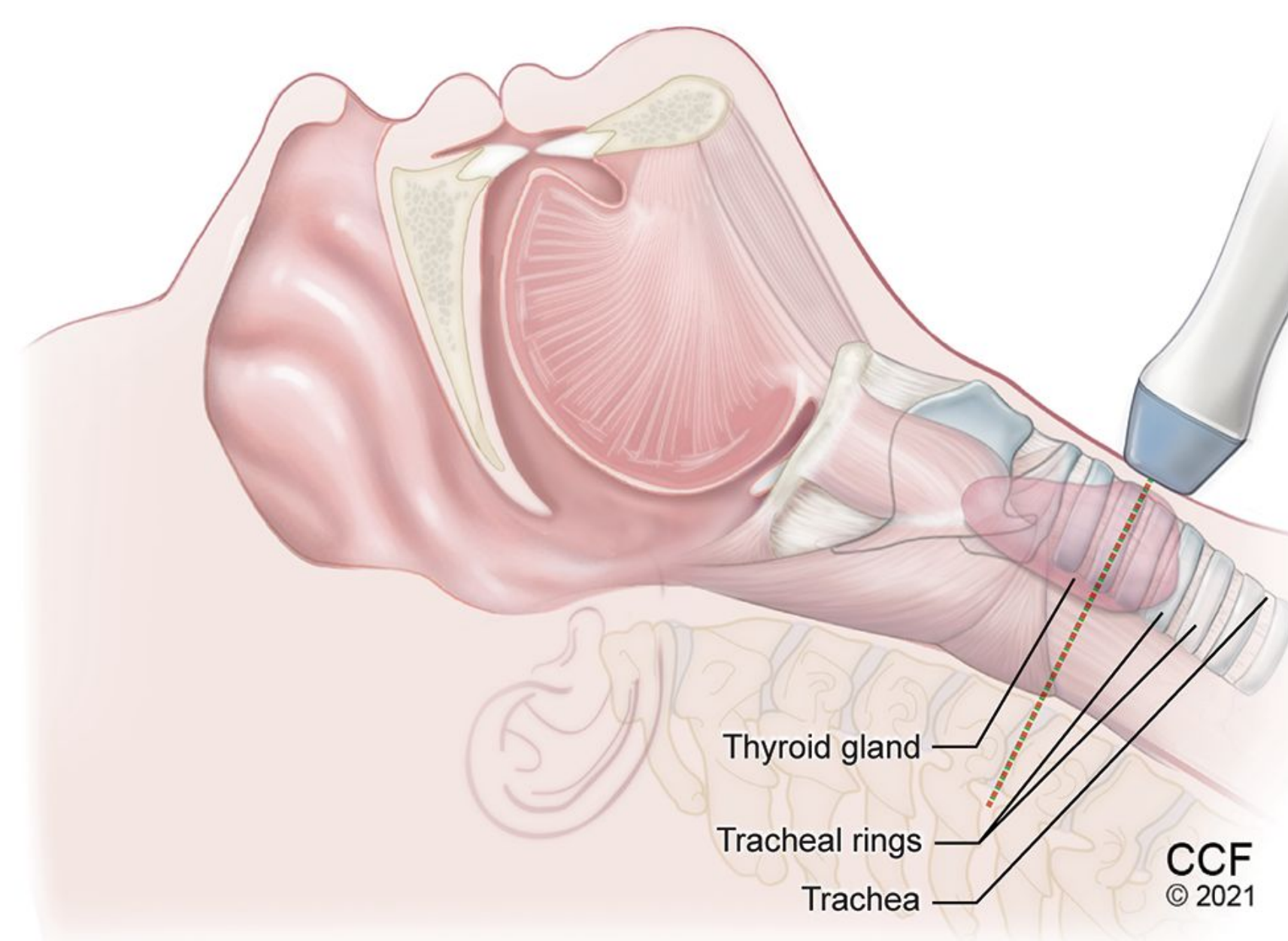
(b) Malignant Thyroid Nodule  
 (Song et al, 2020)

## Methods:



## Synthesis

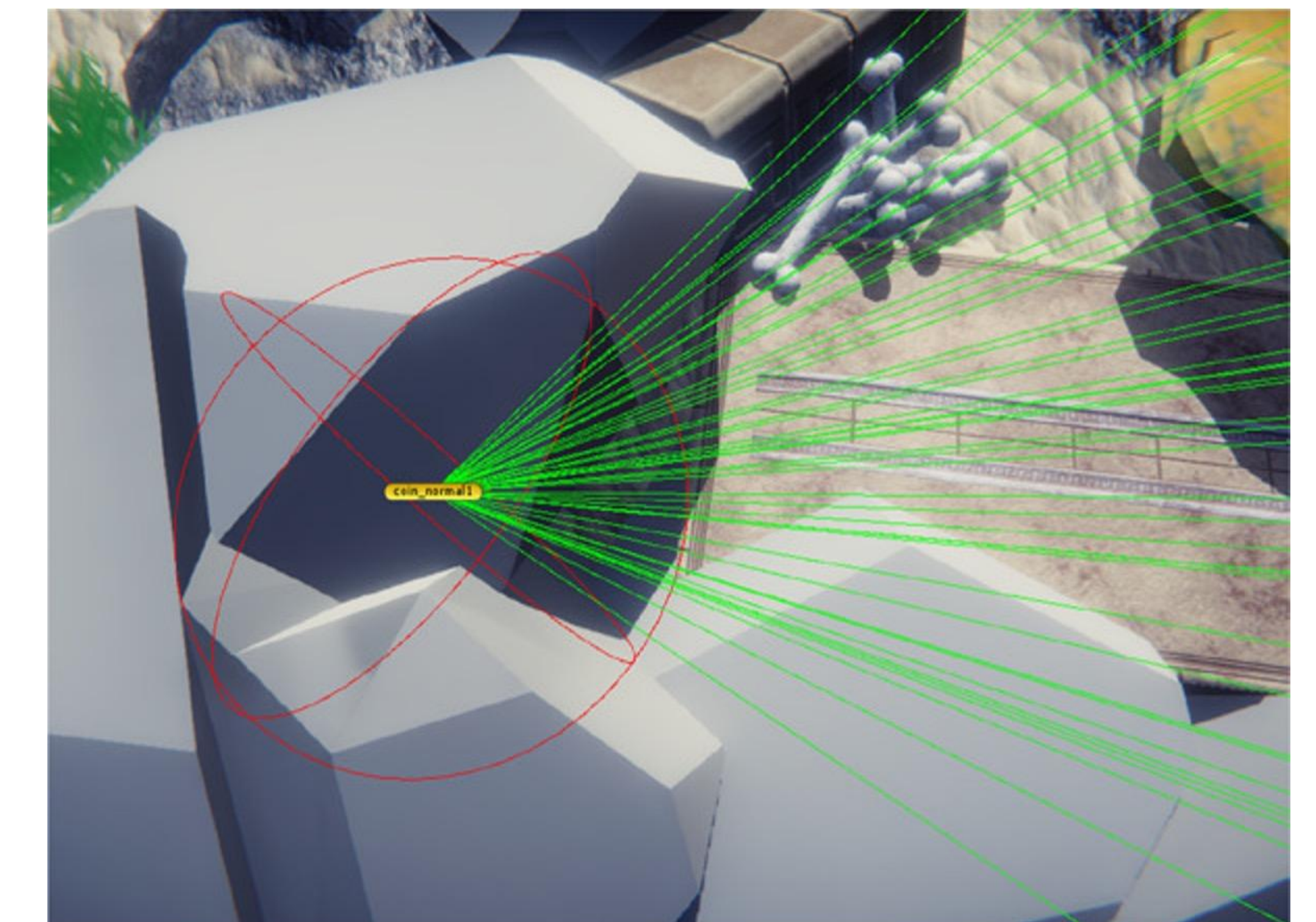
- Internal Perspective of POCUS Thyroid Detection
- Continuing Medical Education (CME)
- Residency Curriculum
- Pre-clinical Curriculum
- Gamification



(Kolli, 2021)

## Conclusion

- Point-Of Care Ultrasound (POCUS) has increasingly become a valuable diagnostic tool due to its non-invasiveness and low costs
- Disparities exist in interest and training on a domestic and international level



(Olgers et al, 2022)

## Implication/Future Directions

- Integrate POCUS into medical education and practice
- Implement gamification and peer-led teaching
- Continued education from pre-clinical curriculum to residency
- Focus on interest and training disparities domestically and internationally

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## References:



## Contact:

[tnguyen9@mail.kansashsc.org](mailto:tnguyen9@mail.kansashsc.org)

[soh@mail.kansashsc.org](mailto:soh@mail.kansashsc.org)