**BACKGROUND**

Point-of-care ultrasound (POCUS) is an increasingly used bedside tool.

Applications in urology include the assessment of an undifferentiated acute scrotum, renal colic, and the guidance of suprapubic catheter placement.1

The user-dependent nature of this modality necessitates appropriate use and competence. The Canadian Association of Radiologists (CAR) and the Canadian Association of Emergency Physicians (CAEP), have stated that the use of POCUS by untrained users have the potential for misdiagnosis, poor clinical management and negative patient outcomes.3,4

**OBJECTIVE**

The purpose of this study was to develop a low-cost, feasible, and guideline-based introductory POCUS program for urology residents.

Residents from an accredited Canadian urology program completed a 3-hour online course, followed by a 3-hour hands-on seminar. Course material was developed by licensed ultrasound educators based national guidelines – the Sonography Canada National Competency Profiles5.

Low-cost testicular phantoms (A,B) and suprapubic catheter insertion models (C,D) were constructed.

Pre- and post-course surveys focused on participant skill confidence, while a multiple-choice questionnaire assessed theoretical knowledge.

**RESULTS CONT.**

Mean confidence scores improved for all skills, including performing kidney, bladder, and testicular POCUS. The largest effect size changes were observed in technical skills (d = 3.4, 2.2, 2.9)

**CONCLUSION**

- This novel study developed an inexpensive, feasible, recommendation-based training program for urological POCUS, developed in collaboration with ultrasound educators.
- Participants significantly improved in theoretical knowledge and skill confidence.
- The basis of this course may serve as a foundation for eventual competency-based training for urological POCUS.

**REFERENCES**