

# ENHANCING JOURNAL CRITIQUING SKILLS AND CONFIDENCE OF ICU NURSES THROUGH WORKSHOP

A SERVICE EVALUATION

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**PROBLEM**



**PURPOSE**



**METHOD**



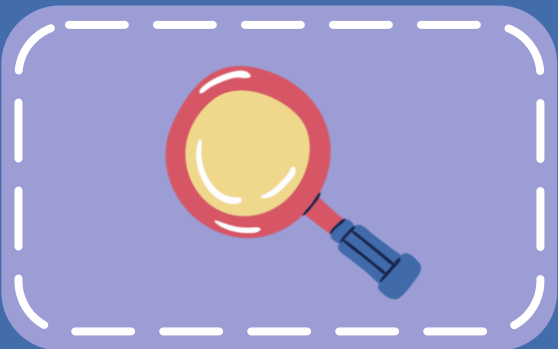
**RESULTS**



**IMPLICATIONS**



# PROBLEM



## EVIDENCE-BASED PRACTICE (EBP)...

Ensures clinical decisions and services are well-informed, safe and effective<sup>1</sup>

Has positive effect in patient outcome and public confidence<sup>2</sup>

## NURSES RECOGNISE THE IMPORTANCE OF EBP, BUT...

Most clinical nurses lack the confidence and/ or skills to appraise research<sup>3</sup>

## IN GSTT CRITICAL CARE...

Post-graduate ICU course applications require journal critique

**40%** of applications fail on this requirement

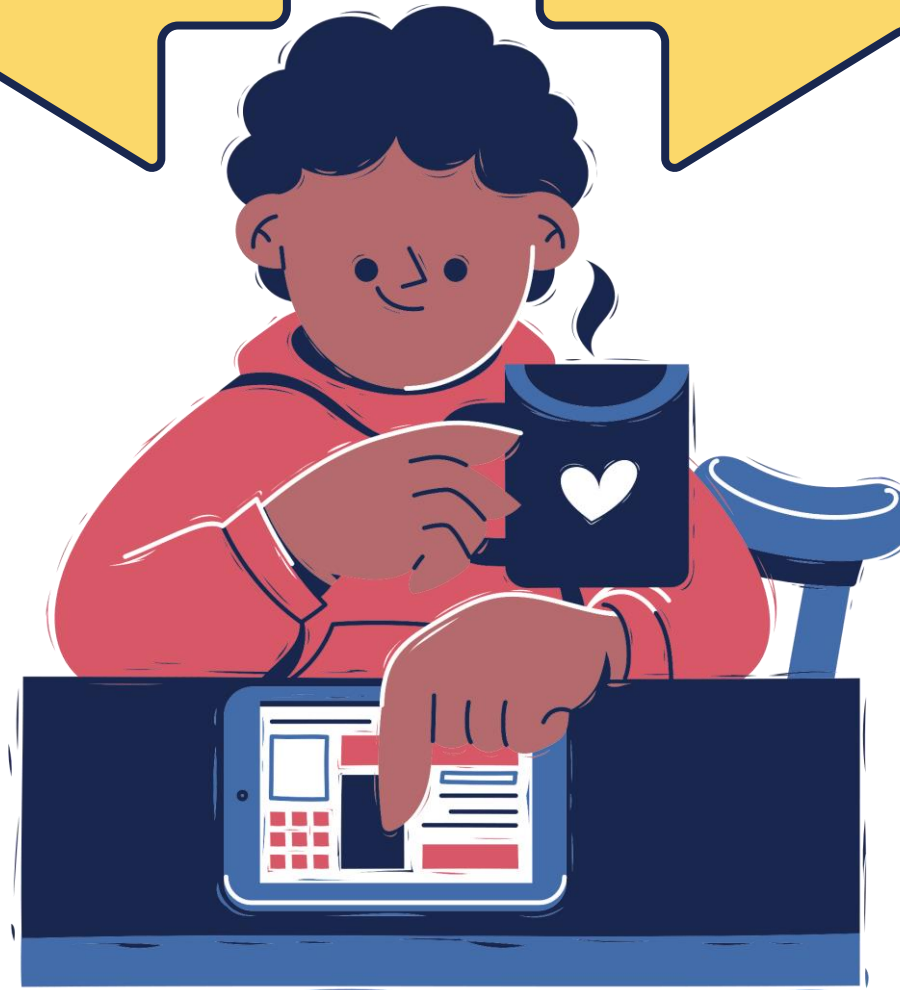


# PURPOSE

Evaluate the effectiveness of journal critique workshop

Increase critical care nurses' confidence and skills in journal critique

Improve clinical staff's capability in implementing evidence-based practice



# METHOD

## THE WORKSHOP

- Open to all critical care nursing staff
- Added on to in-house Introduction to Critical Care (ICC) curriculum
- Ad hoc monthly sessions for voluntary attendees



# METHOD

## EVALUATION

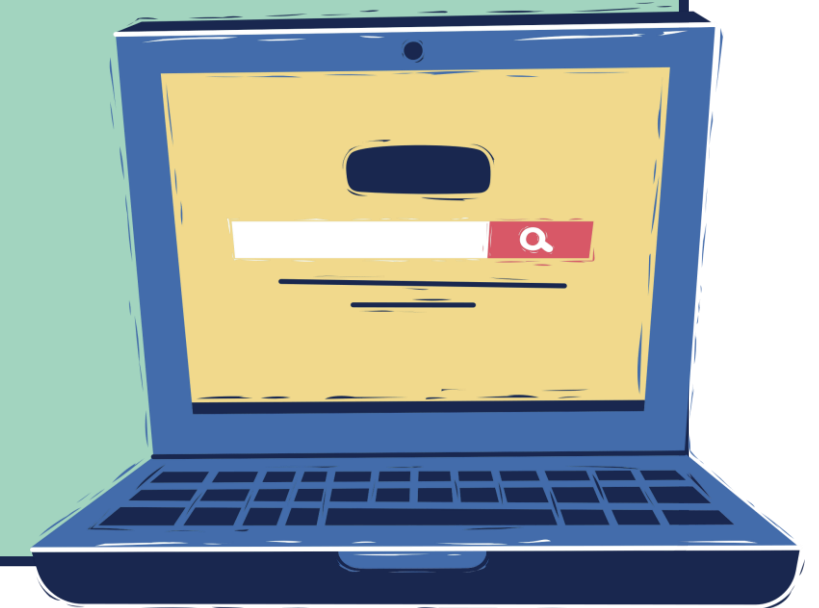
### Confidence

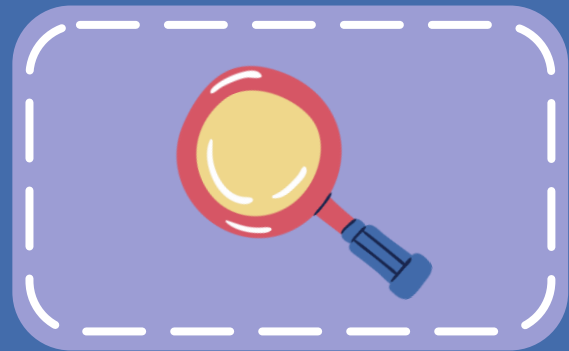
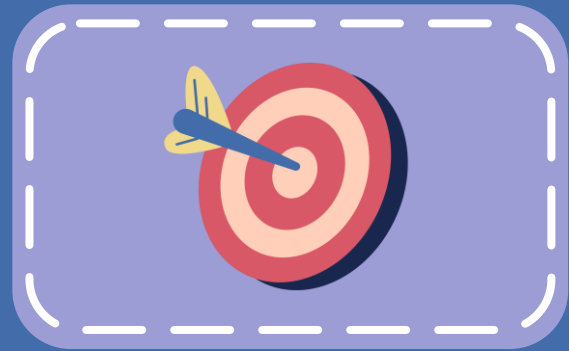
- Anonymous questionnaire with pre-test & post-test
- Likert scale (1 to 5) rating for confidence



### Skill

- Monitoring of attendees' success in post-grad application requiring journal critique





# RESULTS

In 8 months, there were a total of 46 attendees and response rate to the questionnaire was 70% (n=32)



## Confidence

Pre-test mean: 2.5  
Post-test mean: 4.2

Paired t-test:  $p < 0.001$



## Skill

18 out of 20 nurses passed their post-grad application

Passing rate: 90%





# IMPLICATIONS

- Service evaluation results prove workshop's effectiveness in increasing nurses' confidence and skills in critiquing research
- Although not a direct indicator of application of EBP in practice, it is a good first step in involving the nursing workforce in reviewing evidence

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# NEXT STEPS

- Journal critique workshop is now fully-integrated in our ICC curriculum, which is run every 4 months
- We've now introduced evidence-based practice (EBP) clinics where we offer 1:1 advice on various research-related skills, not just journal critique



# References

- [1] Hoffmann, T., Bennett, S. and Del Mar, C. (2017). Evidence-based practice across the health professions. 2nd ed. Chatswood, NSW: Elsevier.
- [2] Jonker, L., Fisher, S.J. and Dagnan, D. (2019). Patients admitted to more research-active hospitals have more confidence in staff and are better informed about their condition and medication: Results from a retrospective cross-sectional study. *Journal of Evaluation in Clinical Practice*, 26(1). doi:<https://doi.org/10.1111/jep.13118>.
- [3] Pinkowski, J.C. (2017). Educating nurses how to critique research reports. Dissertation.

# THANK YOU.

Any questions?

