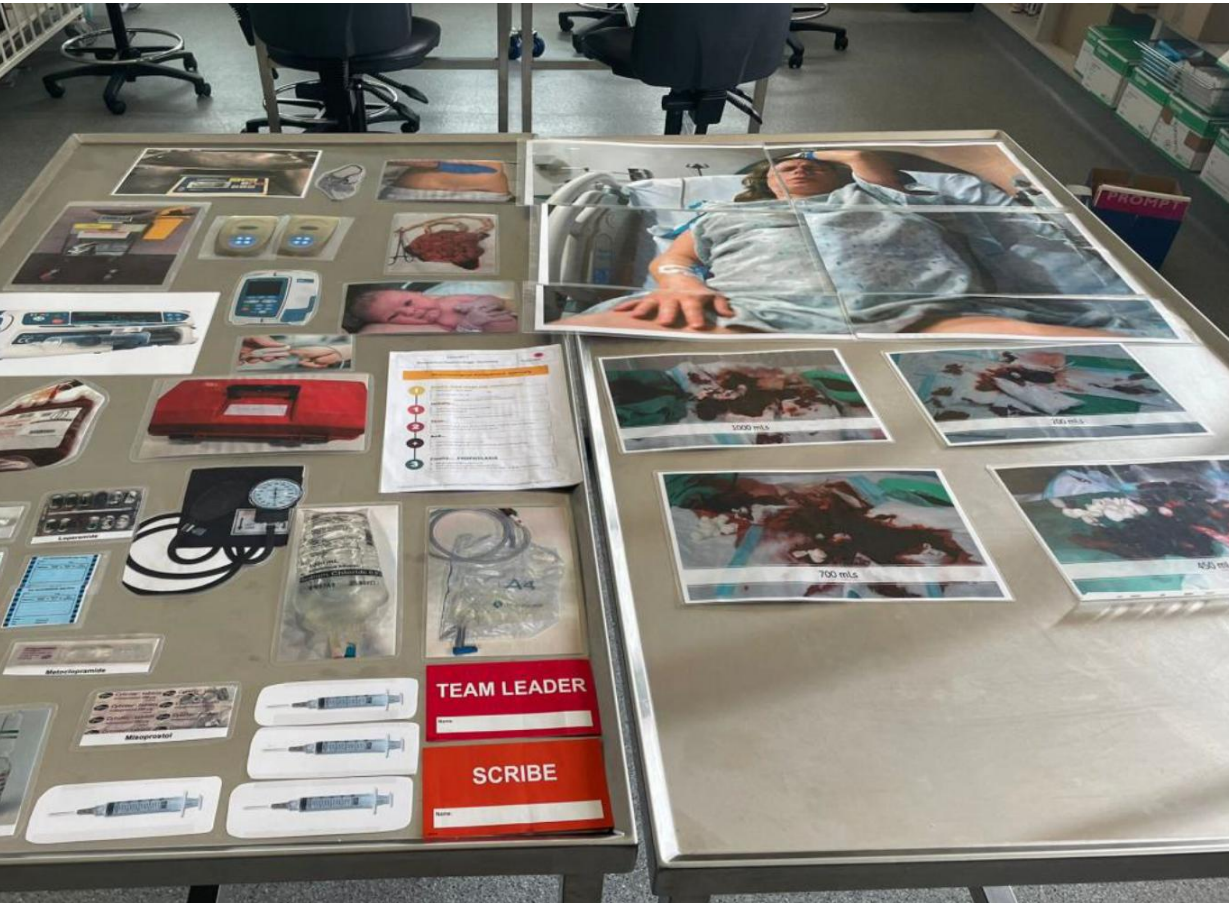
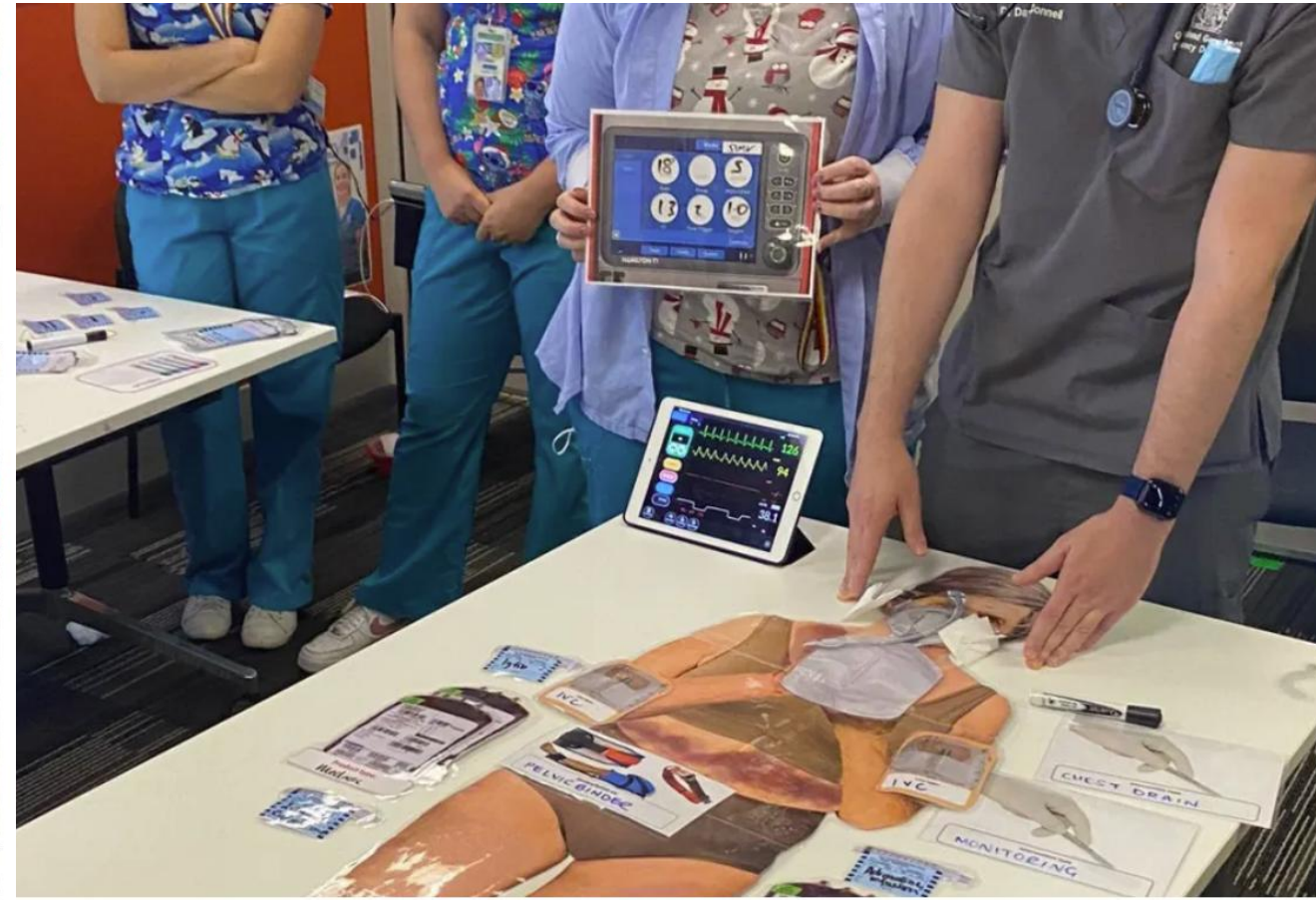


# Visually Enhanced Mental Simulation (VEMS)

# VISUALLY ENHANCED MENTAL SIMULATION (VEMS)



SET UP FOR VEMS



VEMS IN ACTION

# What is VEMS?

A simulation-based teaching strategy that combines mental rehearsal with visual cues to strengthen clinical decision-making and performance



Bag Valve Mask



CAREERS 360



Electric bulb



Candle



Tube light



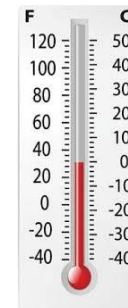
Oil lamp



LEDs



Mobile flashlight



# EVIDENCE



Journal of Healthcare Simulation

## ORIGINAL RESEARCH

### Recommendations for the design and delivery of Visually Enhanced Mental Simulation: insights from participants and facilitators

Victoria Brazil<sup>1,2</sup>, Christopher Speirs<sup>3</sup>, Clare Scott<sup>1</sup>, Jane Schweitzer<sup>1</sup>, Eve Purdy<sup>1,2</sup>

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<https://johs.org.uk/article/doi/10.54531/JHS.V6633>



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## International Emergency Nursing

journal homepage: [www.elsevier.com/locate/aaen](http://www.elsevier.com/locate/aaen)

- Evaluation of nursing students' engagement in two different simulation modalities

> <https://doi.org/10.57945/manara.25709463>

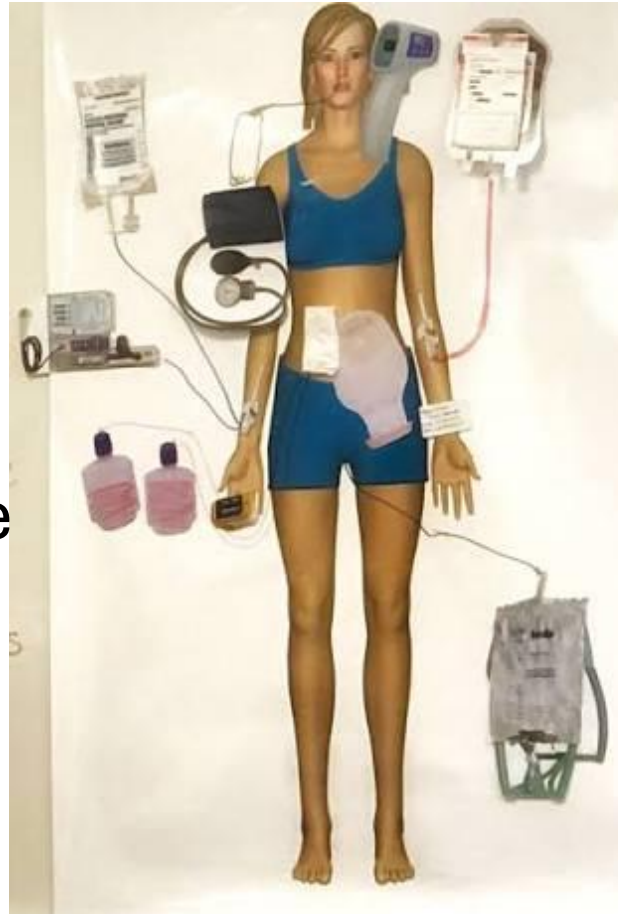


The effectiveness of online Visually Enhanced Mental Simulation in developing casualty triage and management skills of paramedic program students: A quasi-experimental research study

Songül Demir<sup>a,b</sup>, Zahide Tunçbilek<sup>c</sup>, Guillaume Alinier<sup>d,e,f,\*</sup>

# HOW VEMS CAN BE USED

- Teaching
- Building skills
- Debriefing
- Teamwork
- Students Practice Theory



# VEMS Process

- Present a clinical scenario
- Use visuals/images in place of equipment
- Guide learners through mental rehearsal of actions - 'think aloud'
- Facilitate reflective discussion
- Facilitators can easily combine VEMS with part-task trainers or actors



# PPH MANAGEMENT

## PRE- BREIF

Mele G5P4 gave birth 5 minutes ago. Placenta was delivered easily with active management. Patient is now bleeding. Midwives reports fundus is not firm

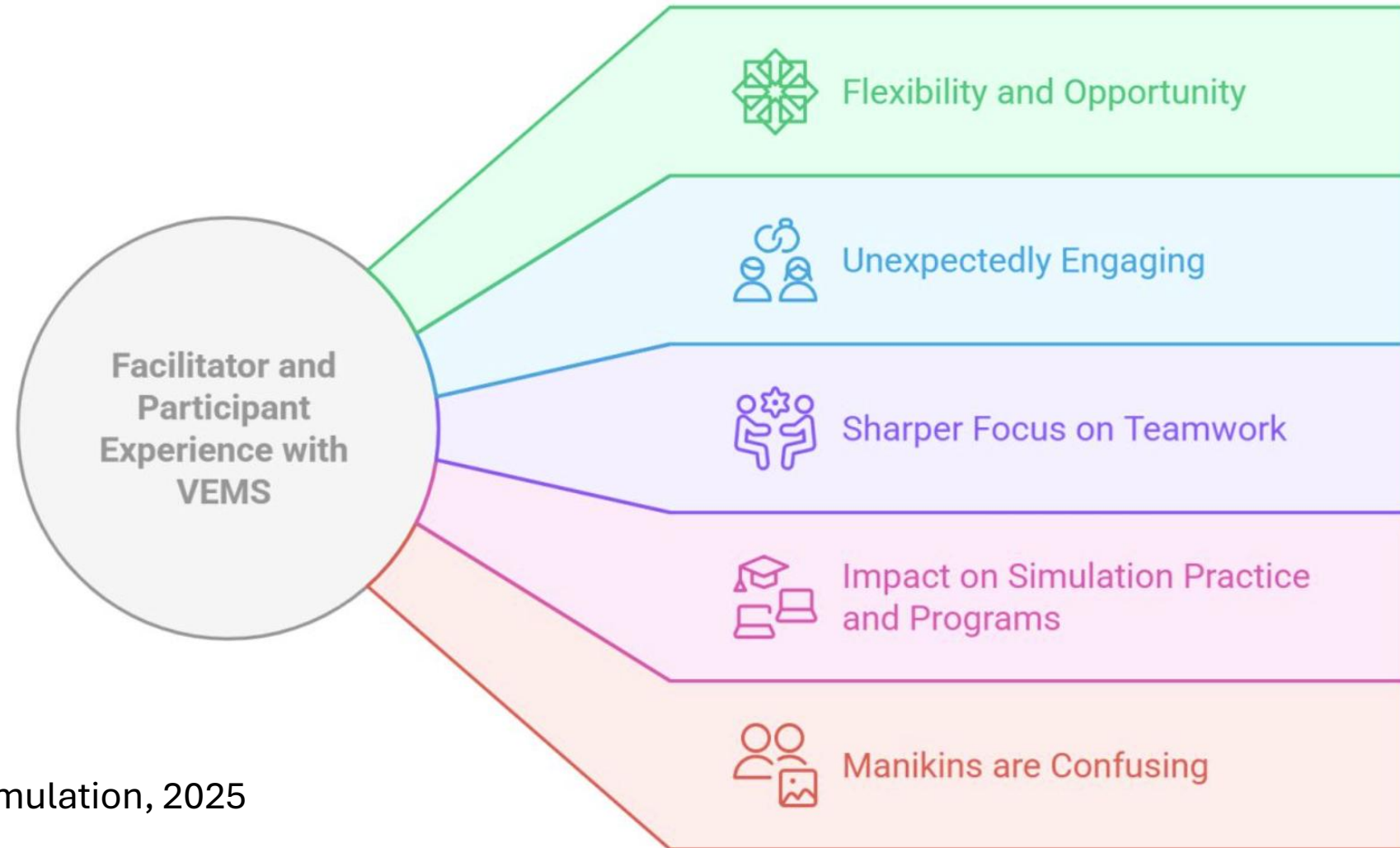
## ACTION

## DEBEIF

What do you feel went well?  
What would you do differently next time  
Feedback

# VEMS BENEFITS

Themes identified in VEMS Experience



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- Brazil V, Speirs C, Scott C, Schweitzer J, Purdy E. Recommendations for the design and delivery of Visually Enhanced Mental Simulation: insights from participants and facilitators. *Journal of Healthcare Simulation*. 2025. doi:10.54531/NDXV6633. (Includes maternity among clinical areas where VEMS was delivered; offers design/delivery guidance relevant to midwifery teams).
- Dogan B, Pattison N, Alinier G. Opinion of nursing students and lecturers about visually enhanced mental simulation: preliminary results of a qualitative study. *International Journal of Healthcare Simulation*. 2022. doi:10.54531/UBZP5127. [ijohs](#)
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