

Sim to Save: Improving Critical Response Through Repeated Simulation

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Background

A rapid, coordinated response is vital.
-Challenges despite certifications: knowledge decay, lack of practice, poor team coordination.
Simulation-based drills: safe, realistic environment.
Aim: Assess AHA 2020-based simulation effectiveness.

Methodology

Design: Pre-post interventional study (Tertiary care hospital).
Participants: 24 (nurses & resident doctors).
Timeline: Jan 2025 onwards, every alternate month.
Process: Pre-assessment 3 high-fidelity drills, Debriefing.
Baseline score: 45%.

Results

Post-assessment score: 89% (↑44%).
Improvements:
• Faster rhythm recognition.
• Better AHA protocol adherence.
Enhanced teamwork & leadership.
Clearer task delegation & prioritization

Conclusion

Simulation-based drills improved competence & confidence.
Strengthened communication & readiness.
Repeated exposure is essential for patient safety.
Recommendation: Integrate routinely into education.

