

Advancing Perianesthesia Care: Innovative education program

Sigma Nursing Education Research Conference 2020

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We have no conflict of interest to disclose

Introduction

HOUSTON
Methodist
LEADING MEDICINE



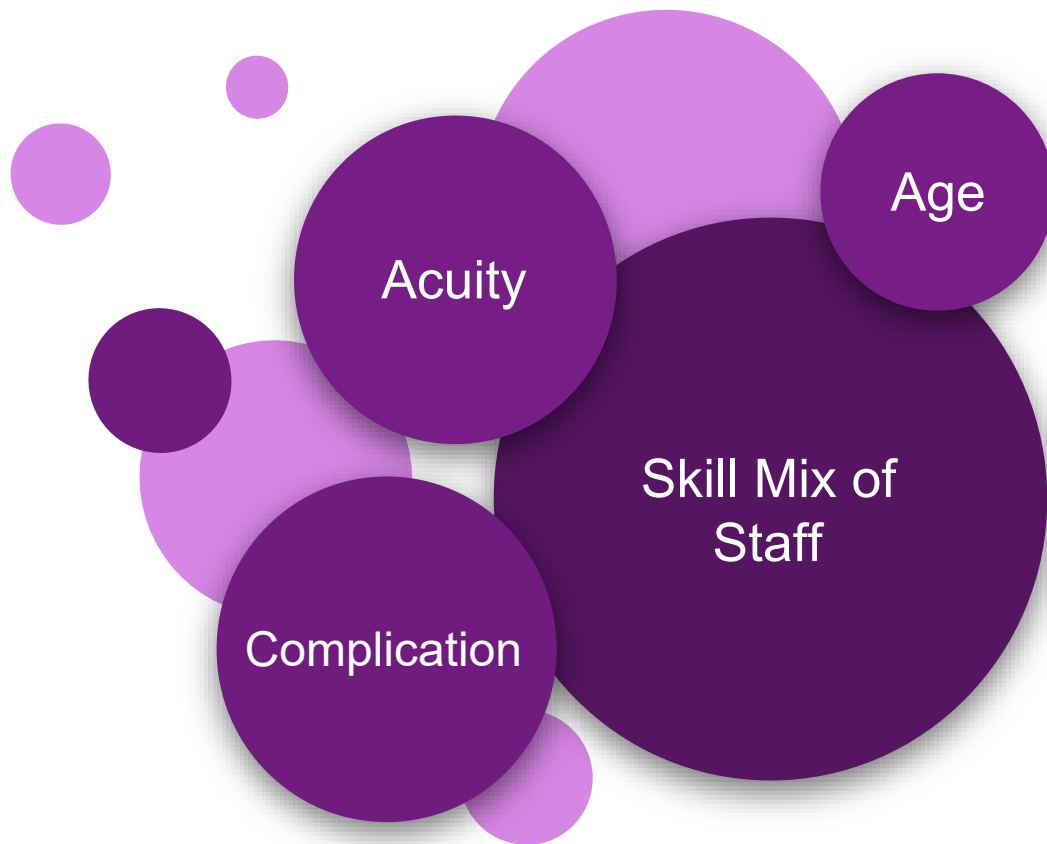
ROCKETS

**HOUSTON
TEXANS**



HoustonBallet

Post Anesthesia Care Units



Classroom Learning

Material presented over 4 days using lecture and open discussion.



High-Fidelity Simulation & Debrief

Self-reflection on what went wrong & right with performance measured by RAPIDS scoring.



Knowledge Test & Confidence Survey

Online tests given pre- and post- intervention.

Critical Care Concepts in PACU

Topics include:

- Assessment of deteriorating patients
- Critical care device management
- Hemodynamics
- Ventilator management
- Acid/Base balance interpretation
- Post-surgical complication management

Evaluation

S.Y. Liaw et al. / Resuscitation 82 (2011) 1434–1439

Date: _____ Candidate: _____ Assessor: _____

ABCDE: Assessment & Management of Clinical Deterioration

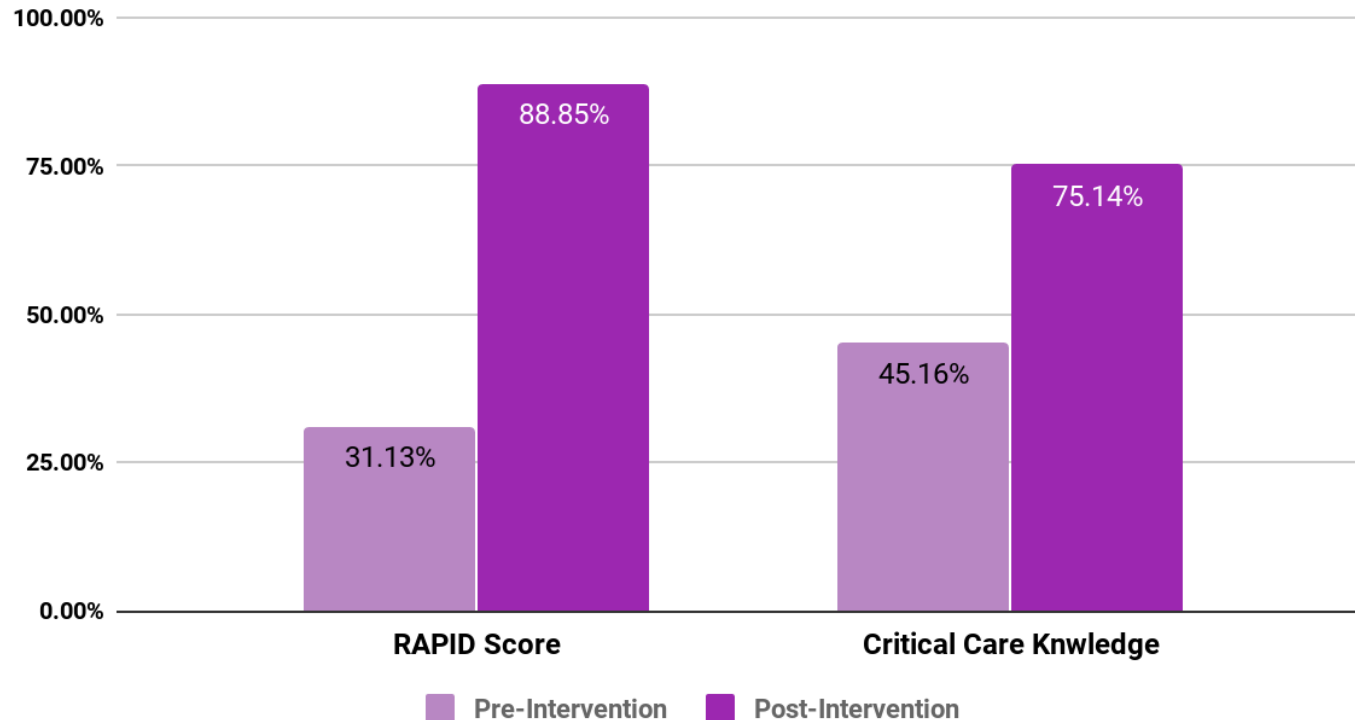
CHECKLIST: <i>Please rate each item by ticking in the box (1 = performed; 0 = not performed; NA = Not Applicable)</i>		1	0	NA
AIRWAY	Assess airway (look/ listen/ feel)			
	Perform head tilt chin lift or jaw thrust			
	Insert oropharyngeal airway			
	Place patient on the side			
BREATHING	Perform oropharyngeal or tracheal suctioning			
	Assess breathing (rates / patterns / depth)			
	Measure oxygen saturation level			
	Auscultate chest for breath sound			
	Place patient in a head-up position			
CIRCULATION	Initiate oxygen			
	Titrate oxygen (keep SpO2 > 94% or SpO2 at 90-92% for patients with COPD)			
	Palpate pulses			
	Measure heart rates			
	Measure blood pressure			
	Observe skin colour			
	Feel skin temperature			
	Measure body temperature			
	Check urine output			
	Measure capillary refill time			
	Lower patient head of bed position			
	Establish intravenous (IV) access			
	Prepare an IV infusion line with Normal Saline 0.9%			
DISABILITY	Attach a cardiac monitor			
	Perform 12 lead ECG			
	Assess level of consciousness using AVPU or GCS			
EXPOSE / EXAMINE	Examine pupillary reaction & size			
	Monitor blood glucose level			
	Expose body to examine			
	Examine dressing site or drainage system			
	Examine pain using PQRST			
	Examine patient's chart or document			
GLOBAL RATING SCALE <i>Please make a mark on the scale below to rate the participant's overall performance in assessing and managing deteriorating patient.</i>				
<div style="display: flex; justify-content: space-between; width: 100%;"> 1 2 3 4 5 6 7 8 9 10 </div> <div style="display: flex; justify-content: space-between; width: 100%;"> Unsatisfactory Outstanding </div>				
Total ABCDE Score _____				

SBAR: Reporting of Clinical Deterioration

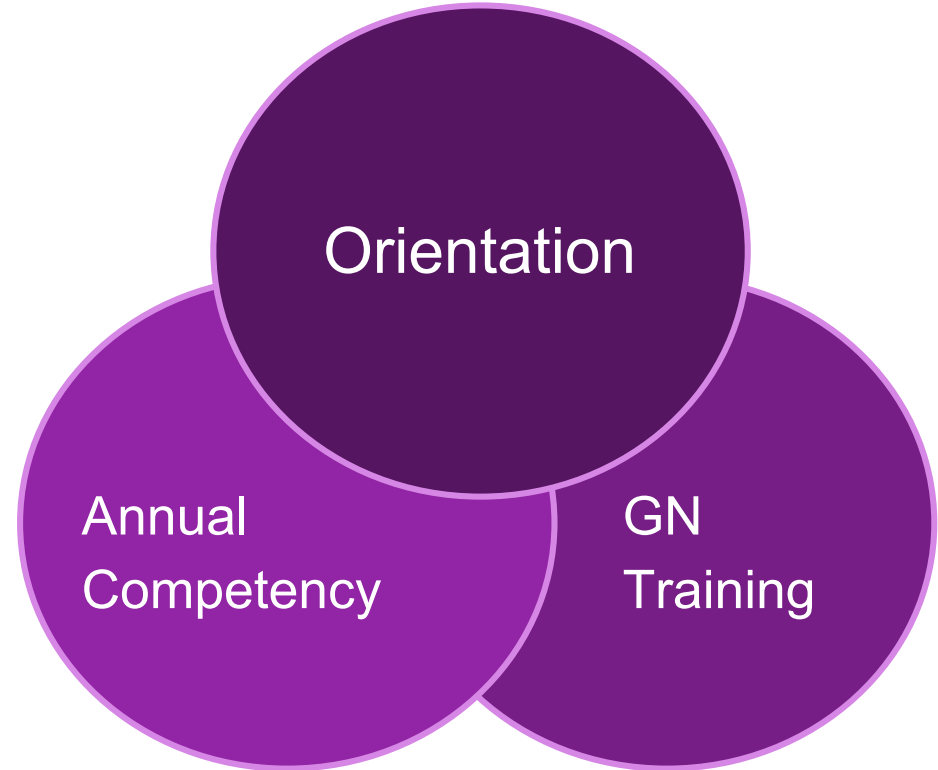
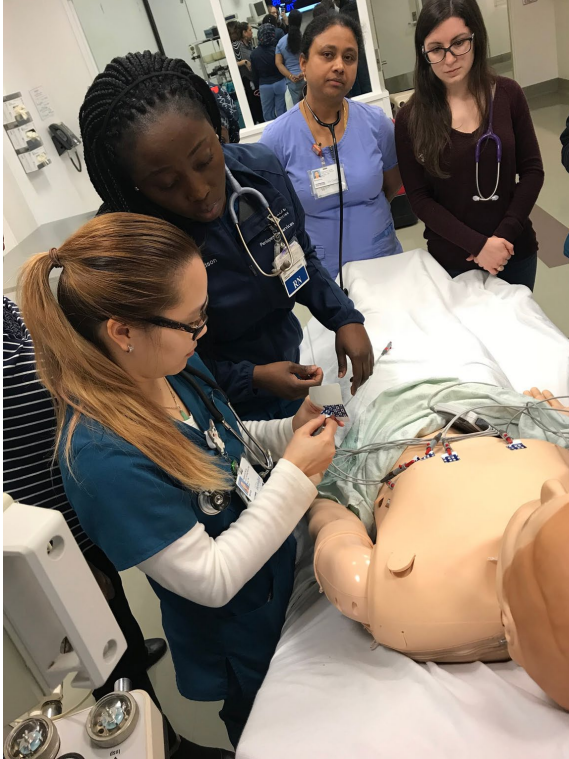
CHECKLIST <i>Please rate each item by ticking in the box (1 = performed; 0 = not performed; NA = Not Applicable)</i>		1	0	NA
SITUATION	State own identity			
	State location			
	State patient's identity			
	Briefly describe the problem			
BACKGROUND	State admitting diagnosis			
	State medical history			
	Provide a brief outline of treatment to date			
ASSESSMENT	State assessment of the problem			
RECOMMENDATION	Provide recommendation			
GLOBAL RATING SCALE <i>Please make a mark on the scale below to rate the participant's overall performance in reporting about patient's deterioration</i>				
<div style="display: flex; justify-content: space-between; width: 100%;"> 1 2 3 4 5 6 7 8 9 10 </div> <div style="display: flex; justify-content: space-between; width: 100%;"> Unsatisfactory Outstanding </div>				
Total SBAR Score _____				
<div style="border: 1px solid black; padding: 10px; margin: 10px auto; width: 80%;"> _____ (Total ABCDE Score) + _____ (Total SBAR Score) = _____ (Total RAPIDS-Tool score) </div>				

Fig. 1. RAPIDS-Tool.

RAPIDS and Knowledge



Implications



Thank you!



Stay in Touch!



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References

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- Kaufman, B, Weitz, S. PACU and ICU care: Evaluation and management of postoperative cardiovascular complications. ANESTHESIOLOGICAL CLINICAL NORTH AMERICA, 1997; 15 (1): 189-206.
- Odom-Forren, J. ICU overflow in the PACU. JOURNAL OF PERIANESTHESIA NURSING, 2014; 29 (2): 81-82.
- White, C, Pesut, B, Rush, K. Intensive care unit patients in the postanesthesia care unit: A case study exploring nurses' experiences. JOURNAL OF PERIANESTHESIA NURSING, 2014; 29 (2): 129-137.
- [RAPIDS article here](#)

