

From Cut to Recovery: Sharpening Crisis Skills Across the Surgical Spectrum

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Disclosures

+ We have no disclosures to report

About Us

DNV Advanced Certification

- Hip & Knee Replacement
- Shoulder Surgery
- Spine Surgery
- Foot and Ankle Surgery



Center of Excellence in Robotic Surgery



Cuyuna Regional Medical Center

Critical Access
Level 3 Trauma
Stroke Ready

Surgical Services

- 21 pre/post rooms
- 7 OR's
- 3 Endo suites
- 1 procedural room
- 6 PACU bays
- OR education coordinator
- Perianesthesia education coordinator

Outcome

Identify how interdisciplinary, simulation-based, and scenario-driven training can break down silos and build strong, responsive teams.

Objectives

- + Establish the value of interdisciplinary collaboration by exploring how shared training between Perioperative and Perianesthesia teams improves communication, role clarity, and coordinated action during high-stakes situations.
- + Demonstrate activities that can be used to achieve engaging, interactive learning opportunities that promote critical thinking and knowledge retention and identify tools to measure learning effectiveness
- + Employ a culture of proactive, joint preparedness by identifying gaps in siloed education and outlining steps to implement integrated emergency training within a surgical services department.



Do you regularly engage in joint training or learning sessions with other departments?

Do not edit
How to change the design

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If you answered yes to the previous question, what types of training or learning activities are you doing with other departments within your facility?

Do not edit
How to change the design

Current State

- + Simulation-based education is widely used in academic centers and increasingly across hospitals.
- + Interprofessional education has been increasingly adapted in healthcare academia to better prepare students.
- + Adoption and frequency of simulation use vary greatly by hospital type and acute-care unit.
- + Most common form of nursing education is administered through computer-based systems. (ANA, 2003)
- + Interdisciplinary simulations have been found to increase situational awareness and communication skills. (Sung & Hsu, 2025)

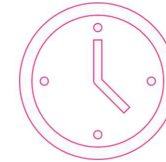
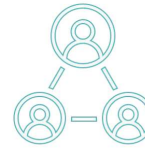
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Why this matters?

- + Low Frequency-High Risk
- + Time Influences Outcomes
- + Role Confusion

Challenges



Attention span



“He who has a why can
endure any how”

-Frederick Nietzsche

What are your goals?



Know



Do



Feel

ADDIE Model

(Molenda, 2003)

Analyze: Why?

Design: Define learning outcomes

Develop: Training materials

Implement: Make a Plan

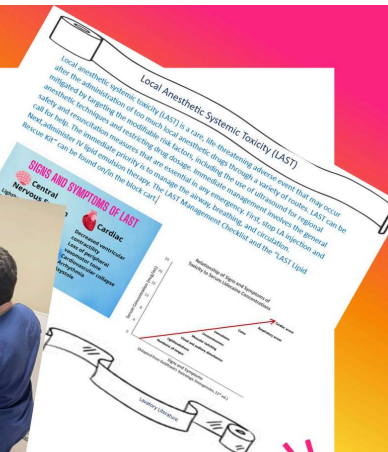
Evaluate: Follow-Up

Using a model ensures learning is systematic, evidence-based, and outcome-focused, promoting both individual competency and team performance. (González-González, Gutiérrez-Luna, Martínez-González, & Delgado-Domínguez, 2023)

Let's Try it



Microlearning



Scavenger Hunt

Halloween can stir up many fond memories from years past. You will find your next clue where we keep the supplies to treat

6 L.A.S.T

Halloween is one of those nights kids get to stay up late. Your next clue is hidden where you will find trauma supplies for kids based on their weight

9



Let's try it!

Halloween is full of tricks and treats
and candy can amass.

To find your clue, go to the nearest location for the
equipment whose procedure for use is

P.A.S.S

Broselow

Name: _____ Date: _____

☐ Open each drawer to review cart contents. Initial box when completed.

Broselow Cart Quiz:

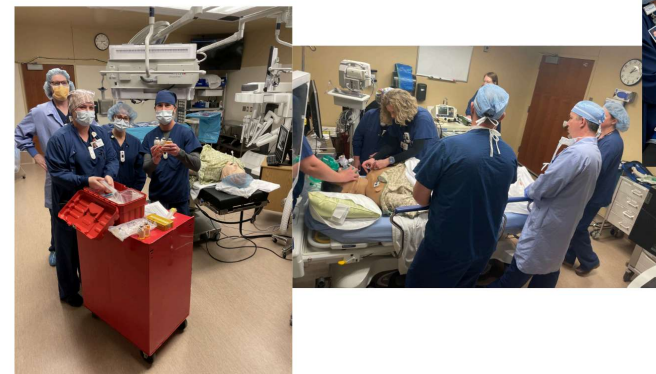
1. What size ET/CO2 would you use on a child in the red category?
2. What IV fluid/dose would you administer if the child fell within the yellow category?
3. A child who falls in the green category should use which size LMV?
4. Your patient weighs 27kg and is in ventricular fibrillation. What color zone is this child? If? What energy level would you set the defibrillator at for the second shock if the first did not work?
5. A child within the white category requires IV epinephrine during a code blue. What dose would you administer?
6. What size urinary catheter would you use for a child that weighs approximately 21 kg? What size drainage bag should you attach?

Use the pediatric manikin to answer the following questions:

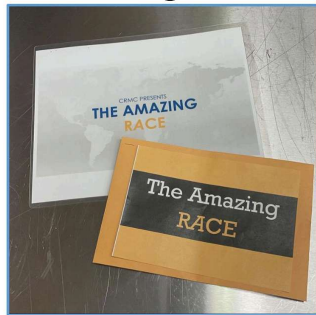
7. What color zone does this child fall in to?
8. Based on the measured size of this child, what size endotracheal tube would you grab for your anesthetic provider? What kind of laryngoscope would you use?
9. What size chest tube would you use for this child?



Simulation



Amazing Race



Review

- + So today, we addressed common challenges and we've given you tools you can take with you.
- + We have advocated for the use of real-life, and repeated training for critical skill retention in perioperative and perianesthesia settings.
- + Interdepartmental in-situ simulation improves retention and transfers skills to clinical work to improve patient outcomes.

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