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Trauma Jeopardy- Providing Nursing Education in the Wake of COVID-19

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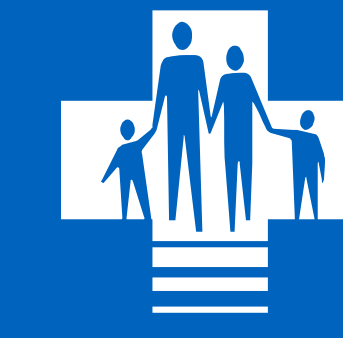
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Trauma Jeopardy- Providing Nursing Education in the Wake of COVID-19

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Problem

New and experienced staff alike need continuing education in order to practice at the top of their license. To provide education and overcome social distancing restrictions applied to large educational events during the pandemic, the Trauma team developed a virtual trivia-style, teamwork-based educational series.

Objectives

To implement educational trivia events to increase overall trauma knowledge for nurses and EMS providers at a level I Trauma Center.

To understand if virtual interactive learning is an effective way to improve overall trauma knowledge for nursing and EMS providers.



Intervention

A Jeopardy style game was designed with trauma related categories and questions that have point values from a Jeopardy style template website. The game is held virtually where the host shares the Jeopardy screen and manages the questions and answers, and points are awarded.

Three groups of participants sign in under a group name and use the raise hand function to indicate they would like to answer a presented question. If their answer is wrong, the question is opened to the other teams. If none of the teams answer correctly, the audience can answer. A rationale is presented with each question and answer to support the learning objective(s).

Trauma RNs/EMS				
EMS Cases	TCAR	TNCC	TCRN	Wild Card
100 How much air is needed for a 22 year old female fall from standing bed rails ago. Patient is complaining of difficulty of breath and their oxygen saturation is 90% on room air.	1 unit of PRBCs will raise the hemoglobin by how many points?	List two or more (acceptable) ways to obtain a temperature on a trauma patient.	Failure to recognize that a patient requires trauma care, resulting in adverse patient outcomes describes which triage level?	What is the most life threatening complication of a femur fracture?
200 How much air is needed for a 41 year old female who is an unresponsive, 1st trimester with 2000 cc of blood in the stomach. She is on 100% O2 and her SpO2 is 90% on 10L of O2. She is a nursing student. What is the NRSING responsibility?	Which aspect of the trauma triad of death (acidosis, coagulopathy, and hypothermia) is a NURSING responsibility?	A patient with 30% partial thickness burns receives fluid resuscitation. Which parameter can nursing monitor to ensure adequate resuscitation?	How should you care for an amputated body part?	What blood type is the universal PLASMA donor?
300 C.A CMED call	What indicates that a resuscitation is complete?	Name at least 3 team member resources that a high level (category 1) activation prepares	In disaster management triage, Red indicates a patient is what?	52 year old female was struck head on by a drunk driver. Was the potential dose of energy high or low?
400 D.M. CMED call	List three assessment findings that suggest a tension pneumothorax?	What does TEG stand for and what is it used for?		What test can be performed with readily available equipment to test for compartment syndrome?
500 What most commonly level of response to a patient's condition is most likely to have a poor outcome? Obstetric, Pediatric, or Geriatric?				The American College of Surgeons requires level one trauma centers to collect which data metrics (total) within the first 30 minutes of arrival?

Results

Over 90% of participants reported an increase in trauma related knowledge and feel more confident treating trauma patients. 100% of participants reported that they would recommend the activity to a colleague. An unmeasurable but invaluable incidental result was the immense team and relationship building that came as a result of Trauma Jeopardy and the open forum to discuss topics and learn from one another.

Conclusion

The COVID-19 pandemic has greatly affected hospital employee access to in-person education. By creating this virtual event and allowing for the patient care team to come together, a robust education and team building experience was achieved.

It has been noted that staff have increased knowledge and autonomy when caring for trauma patients since attending Trauma Jeopardy.

Staff have been able to implement a positive change in their practice as a result of participating in Trauma Jeopardy.

