

Implementation of a Malignant Hyperthermia (MH) Training Plan

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Introduction

- Malignant Hyperthermia (MH) is a rare medical emergency triggered by general anesthesia
- Escalates into a life threatening situation if left untreated

Identification of the Problem

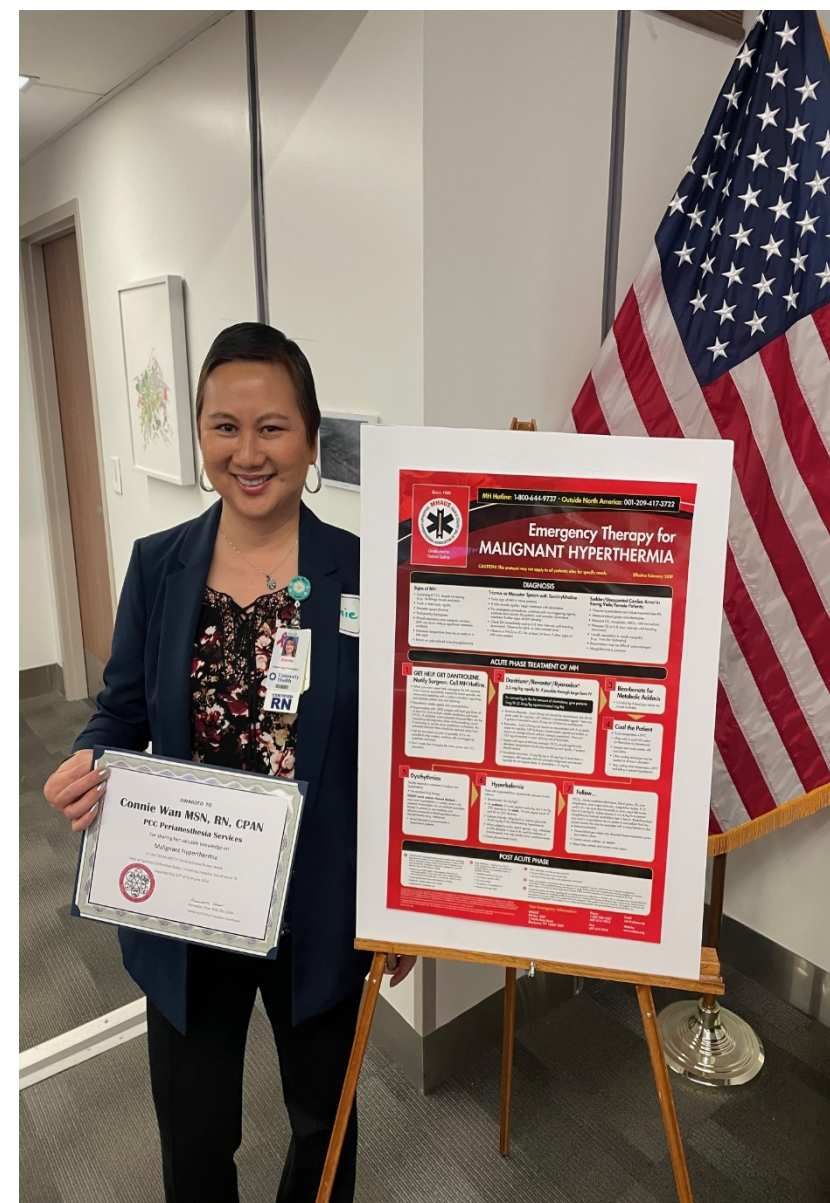
- A need for perianesthesia nurses and technicians to be competent in recognizing and treating patients with malignant hyperthermia

QI Question/ Purpose of the Study

- Purpose of the study is to educate perianesthesia team members on the proper management of a malignant hyperthermia crisis
- Collaboration with our Unit Educator and our Operating Room Educator was vital in the successful implementation of a training plan for all perianesthesia team members

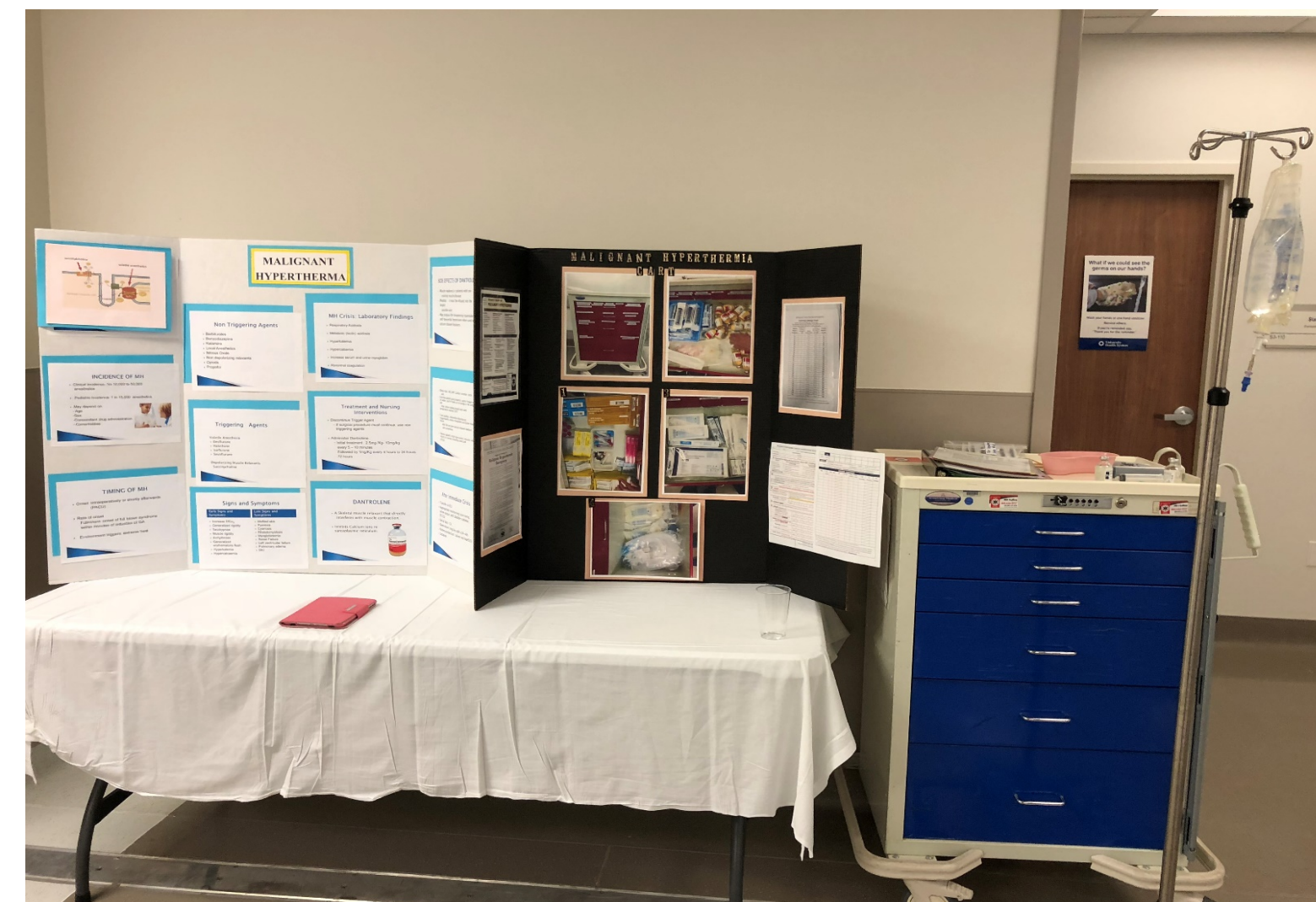
Methods and Materials

- Annual education sessions were incorporated in an Annual Perianesthesia “Bootcamp”
- Power point, poster boards, small group discussions, hands on mixing of Dantrium, QR code for video of mixing Dantrium, music video, badge cards, pre and post test questions
- Mock malignant hyperthermia code drills were implemented and timed
- Malignant Hyperthermia cart was available at our Bootcamp for learners to familiarize items in the cart
- Scan for Video on how to mix Dantrium



Outcomes/ Results

- 11 out of 11 nurses stated they were confident and understood the malignant hyperthermia content when taking their CPAN/CAPA examination



Discussion

- Providing a wide range of learning didactics were essential in the successful implementation of educating perianesthesia team members

Conclusion

- Malignant hyperthermia training plan promotes quality improvement and safe practice as time is crucial in the delivery of care during a malignant hyperthermia crisis

Implications for Perianesthesia Nurses and Future Research

- Perianesthesia team members are key to the successful resuscitation of patients in a malignant hyperthermia crisis
- Implementation of an organized education training plan assists in the delivery of quality patient care promoting quality patient outcomes

References

Bourgonjon, B (Bram Bourgonjon). (2017). The malignant hyperthermia song (Video). YouTube.
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Malignant Hyperthermia of United States. (2022.)
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