

BACKGROUND OF THE PROBLEM

- Our department had a total of six separate emergency equipment carts located in different areas of the department
- In code situations, staff found it difficult to quickly locate the necessary emergency equipment
- This project is important for improving the accessibility of supplies, cost savings by eliminating duplicate supplies, and for the overall safety of our patients

PURPOSE

• Improve efficiency of locating emergency equipment and decrease costs by eliminating duplicate airway supplies

LITERATURE REVIEW

- Barak, Pasadyn, and Weekly (2015) completed a project on standardizing crash carts in three comparable surgery centers. The study showed a fifty percent reduction in the amount of time to locate the emergency equipment on the standardized emergency cart (Barak, Pasadyn, & Weekly, 2015).
- According to Pearson, Caird, and Mayer (2012) "Efficient and effective emergency care depends on how crash carts are provisioned and the response team's knowledge of the cart layout" (p. 792).
- Makkar and Madaan (2016) study aimed to perform a gap analysis of emergency carts in a tertiary teaching hospital. The study concluded that the standardization of crash carts can be implemented to increase the visibility and accountability of the staff (Makkar & Madaan, 2016).

METHODS

- Initial inventory of all six emergency carts was completed
- Duplicate airway equipment was identified and removed
- A cost analysis of duplicate airway equipment was completed
- Staff members were educated on the new locations of emergency equipment and a post learning survey was completed afterwards

Changing Logistics of Emergency Equipment in Same Day Surgery

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We successfully consolidated the number of emergency equipment carts from six to two



AFTER: **Respiratory Basket** ORIX MENTORY AND OR DATES EVERY MONOR

OUTCOMES

- emergency equipment

CONCLUSION

- improving patient outcomes

Implications for Nursing Practice

- of their emergency equipment
- Limited research was found on the topic

REFERENCES

- Nursing, 30(4).
- 4(9), 3968-3976.





• After completion of this project, eighty-one percent of the staff were able to quickly identify the correct location of the emergency equipment

• The staff members are now more knowledgeable about the location of the

• A cost analysis of the duplicate airway equipment totaled \$1014 in savings to the unit

We successfully consolidated the number of emergency equipment carts from six to two

 Improving the logistics of the emergency equipment has allowed the staff to more efficiently retrieve emergency equipment, saving valuable time and potentially

This project has identified further need for staff education

Knowledge of the location of emergency equipment is vital to response time

• Other nursing units could utilize the findings of this project to improve the logistics

• The authors identified opportunities for nursing research on emergency cart organization

1. Barak, S., Pasadyn, J., & Weekly, L. (2015). Standardizing adult crash carts. Journal of PeriAnesthesia

2. Makkar, N., & Madaan, N. (2016, September). Study of compliance of crash carts to standards in the emergency of a tertiary care teaching hospital. International Journal of Research n Medical Sciences,

3. Pearson, A. M., Caird, J. K., & Mayer, A. (2012). Crash cart drug drawer layout and design. Proceedings of the Human Factors and Ergonomics Society 56th Annual Meeting. 792-796.