

# Anesthesia Workstations as Intensive Care Ventilators During a COVID-19 Surge

Belly Estima BSN, RN and Jasmin Jordan BSN, RN

Project Chair: Jill Mason, EdD, DNAP, MSN, CRNA, APRN, COI

Project Reviewer: Sasha Perez-Loor, MSHSA, PMP, CPXP, Project Reviewer: Glenice DeBique, PhD, Project Mentor: Vikas Kumar, MD  
AdventHealth Doctor of Nurse Anesthesia Program

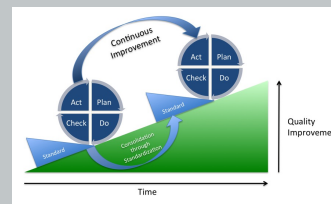
## Problem

- ❖ As COVID-19 spread, the supply mechanical ventilators decreased.
- ❖ Anesthesia workstations in hospital operating rooms may mitigate the insufficient supply of mechanical ventilation.

## Methods

- ❖ Implementation of the FOCUS-PDCA cycle to improve the development of a CE module through Echelon at AHU.
- ❖ To educate the healthcare team, to effectively use the anesthesia workstations as alternative devices within the ICU setting through a CE module.

## Illustration



## Discussion & Implications

- ❖ Develop an evidence-based CE module on the use of the anesthesia workstations for ventilatory support.
- ❖ Apply for AANA and ANCC CE credit approval.
- ❖ Complete a guidance protocol that clarifies processes of the development of CE modules.

## Literature Review

- ❖ The rise of intensive care ventilator use generated an imminent need for unconventional solutions.
- ❖ Anesthesia workstations as mechanical ventilators may help aid in the strain created by diseases requiring respiratory support.
- ❖ A continuing education (CE) module will help to decrease the knowledge gap regarding the use of anesthesia workstation as intensive care ventilators.

## Results

- ❖ CE approval received from the AANA and ANCC.

## Acknowledgements

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## Conclusions

- ❖ This scholarly project can potentially improve the quality of care for patients by providing critical care nurses with evidence-based information on the use of anesthesia workstations as ICU ventilators.
- ❖ The guidance protocol can potentially improve the process of CE development.