



# *The ICU Guide: Made by Residents, for Residents*

Presenter

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# Problem Statement

- *Problem statement: Educational curriculum regarding mechanical ventilation, vasopressor use, and sedation administration is not currently well established within our residency program.*

# Study Design

- *We have created quality improvement project using educational cards and videos designed by internal medicine residents to prepare colleagues for their rotations in the medical ICU, with a particular emphasis on mechanical ventilation. Pre- and post-implementation surveys using a validated questionnaire<sup>1</sup> will be used to assess the impact of the new curriculum on resident knowledge and confidence in management of mechanical ventilation and the critically ill patient.*

# Evaluation Plan & Conclusion

- *Efficacy of the intervention will be assessed by comparing pre- and post-ICU rotation test scores before and after implementation of the asynchronous curriculum.*
- *We hypothesize that the implementation of this new curriculum will improve residents' knowledge and confidence levels in managing key ICU topics, thus promoting effective learning and optimal patient care.*

# Questions for Discussion

- *There are many ICUs within our hospital; how could this curriculum be expanded to incorporate hospitalists and APPs needing a refresher on the ICU curriculum?*
- *What would be the best method to spread awareness of this curriculum: Making educational cards and videos completely virtual and accessible through a website, or having paper cards with a QR code linking to the videos?*

# References

1. Cox CE, Carson SS, Ely EW, Govert JA, Garrett JM, Brower RG, Morris DG, Abraham E, Donnabella V, Spevetz A, Hall JB. Effectiveness of medical resident education in mechanical ventilation. *Am J Respir Crit Care Med*. 2003 Jan 1;167(1):32-8. doi: 10.1164/rccm.200206-624OC. Epub 2002 Sep 25. PMID: 12406827.