A Flipped Classroom Approach to Providing Extremely Low Birthweight Infant Education for Resident Physicians

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Problem: The NICU is a Challenging Place for Safe Learning

- Critical care rotation in highly specialized field of medicine
- Extremely low birthweight infants (ELBWs) require additional highly specialized care
- At CW, ELBWs are cared for by neonatal nurse practitioners (NNPs), in conjunction with fellows and faculty.
- Pediatric residents need exposure to this population

Approach

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- Utilized flipped classroom method
- Independent studies took the place of two morning reports
- Flipped classroom session took place at bedside of a <7 day old ELBW infant on one afternoon

23 Weeks Gestation Infant Case Study



Lessons Learned

- Effective method to increase exposure while providing consistent team needed for ELBW safety
 - No quantitative data available
 - Qualitative data indicates positive response to this new method
- Positive response to independent study
 - "A lot of helpful information in one place"
- Positive response to bedside flipped classroom
 - Good supplement to clinical learning
 - Residents liked the interactive nature and practical application of concepts



Significance

First report of an easy and practical opportunity to incorporate bedside teaching as the backbone of a flipped classroom





If you only remember one thing from this presentation, it could be that it is feasible to utilize bedside teaching as the "flipped" portion of a flipped classroom model.

References

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