Implementation of a Night Shift Education Series in the Neuroscience ICU

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Background

Educational opportunities can be a challenge for night shift staff. Night shift nurses in the Neuroscience ICU (NSICU) have verbalized feeling excluded from the educational opportunity that dayshift multidisciplinary rounds offer. These rounds allow for an open discussion of patient condition, providing educational opportunities for dayshift staff; thus, an educational gap had developed. In response to this need, the Neurocritical Care Team (NCC), along with nursing management, developed the Night Shift Education Series.

Aim Statement

The goal for establishing the Night Shift
Education Series was to address limited
education opportunities afforded to night shift.
Additional objectives were to increase rapport
and communication with the NCC providers and
increase collaboration amongst the night shift
interdisciplinary team.

Interventions

Timeline

09/2021: Dr. Aiyagari approached NSICU management to develop education for the night shift staff.

O9/2021: The Night
Shift Education series
was announced, and a
survey was sent for
topics and staff input.

10/28/2021: The first
Night Shift Education
Series lecture.

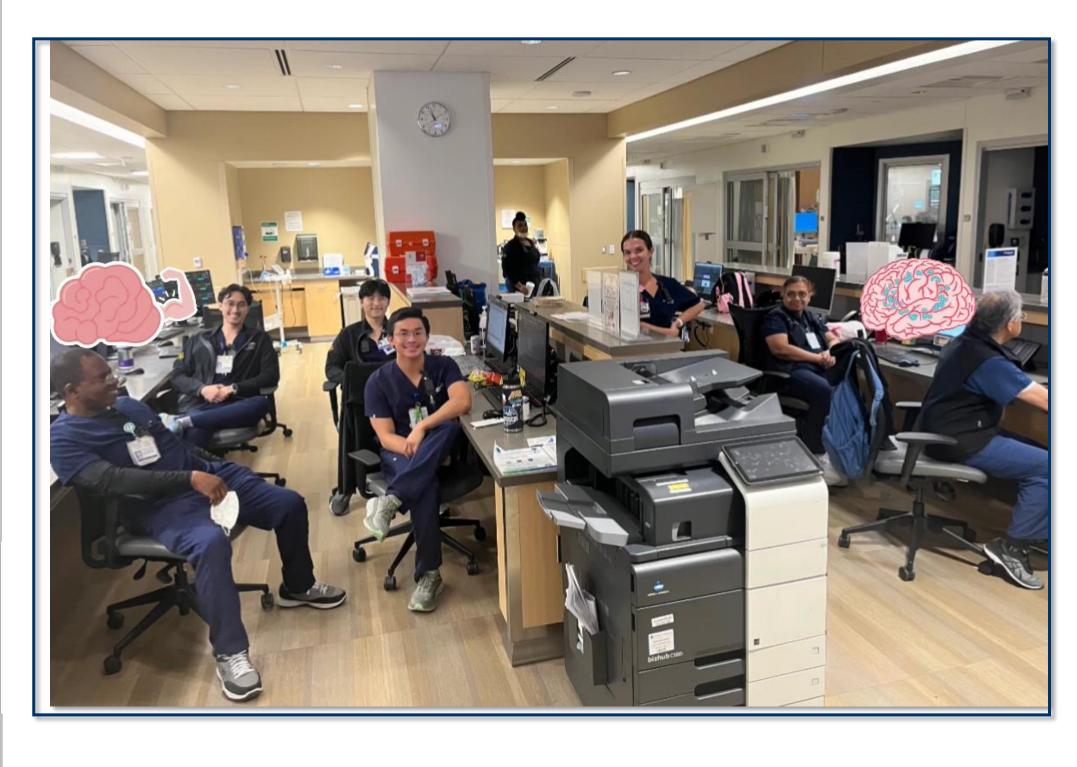
11/2021: The Night
Shift Education series
was discussed during
staff meetings,
feedback was
encouraged.

12/2021-12/2022: The lecture series continued on a consistent basis.

12/2022: Likert survey sent to night shift staff to evaluate the efficacy of the lecture series.

03/2024: The project was presented at the hospital-based Education Council meeting.

08/2024: Likert survey updated with night shift staff hired after original survey.



There has been a total of 116 Night Shift Education Series lectures. Attendance per lecture has ranged between 6 to 12 participants. The Night Shift Education Series follows an informal format:

- All NSICU night shift staff members are invited.
- The lecture will begin with respect to the unit flow.
- Time frame is approximately 30 minutes.
- The NCC physicians are encouraged to utilize a white board, handouts.
- Staff members are encouraged to participate in an open discussion.
- Documentation of each lecture's topic, the NCC Provider, date and staff attendance in the Night Shift Education Series binder.



Education Topics

- Head CT Interpretation
- Guillain--Barre Syndrome
- Chest X-ray Interpretation
- Autoimmune Encephalitis
- Transcranial Doppler
- Basics of an Electroencephalogram
- Intracranial Pressure
- Moyamoya Disease
- Brain Aneurysm Clipping vs Coiling
- Neurosarcoidosis
- Watershed Infarcts

Analysis

The initiation of a NSICU Night Shift Education Series was to address an education gap, increase interprofessional engagement, and improve staff knowledge of the NSICU patient population. An anonymous Likert scale survey was distributed to all night shift employees to evaluate effectiveness and satisfaction.

Night Shift Education Series Survey Results

 93.5% rated 4 to 5 stars How effective are the night shift lectures? 6.5% rated 3 stars or less • 100% rated 4 to 5 stars How relevant is the lecture content? 100% rated 4 to 5 stars How likely are you to apply the content learned to your practice? How has night shift lectures increased 89.1% rated 4 to 5 stars collaboration amongst interdisciplinary 10.9% rated 3 stars or less teams? Has the lectures series increased 95.7% rated 4 to 5 stars communication and rapport with the 4.3% rated 3 stars physicians who present the lectures?

The Likert scale
survey asked to rate
their experience
from one to five
stars. One star being
the least satisfied to
5 stars being the
most satisfied.

Conclusions

The Night Shift Education Series has been incorporated into the unit culture. Staff members have expressed a positive response regarding perceived efficacy, applicability, and relevance of the lectures. The Likert survey data averaged 95.6% satisfaction, proving that the Night Shift Education Series is effective in addressing the educational gap in an innovative and collaborative manner. The series also opened an opportunity to increase communication and rapport between staff and providers. The Neurosurgery Unit has been invited to attend the educations series. Moving forward, the Night Shift Education Series could be implemented on other units to improve staff education satisfaction and provider-staff communication.

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