ICU Liberation: Implications for Nursing Practice
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Background

• ICU Liberation: Bundle of strategies used with critical care patients to decrease hospital length of stay and the incidence of pain and delirium.
• Developed in 2013 following the Society of Critical Care Medicine’s publication of the Clinical Practice Guidelines for the Management of Pain, Agitation, and Delirium in Adult ICU Patients.
• ABCDEF bundle: Analysis strategies for pain, delirium, sedation, breathing trials, early mobility, and family involvement.
• PAD bundle: Assessment and treatment of pain, agitation and delirium.
• Goal: Adequate pain control, early treatment/prevention of delirium, and decreased hospital length of stay.

Results

• Spontaneous breathing trials can decrease the time that patients spend on mechanical ventilation and decrease hospital length of stay.
• Early mobility in ICU patients is linked to decreased hospital length of stay and better pain control.
• Family involvement in the ICU helps to comfort family members and increase trust in those caring for the patient.

Nursing Implications

• Nurses should conduct comprehensive assessments of pain and delirium and implement treatment early to decrease hospital length of stay.
• Nurses need to advocate for sedation monitoring, early mobility and breathing trials to decrease hospital length of stay.

Conclusions

• Prompt treatment of pain and delirium, careful monitoring of sedation, and spontaneous breathing trials can all decrease hospital length of stay in patients in the ICU.
• More research is needed on the efficacy of the ABCDEF/PAD bundles in practice rather than the individual components.

Key References


PICO Statement

In the adult population that is admitted to the ICU, does implementation of ICU liberation strategies (ABCDEF/PAD bundle) help to decrease hospital length of stay, pain, and delirium?

Methods & Design

• Literature Review - Studies from 2005-2017 conducted in North American ICUs.
• Search terms of “ICU liberation,” “ICU pain control,” “ICU delirium,” “ICU sedation,” “ICU mobility,” and “ICU family.”
• Search engines: CINAHL, PubMed, Cochrane Library, and Google Scholar.
• 15 articles met search criteria: 1 systematic review, 1 literature review, 7 randomized-controlled trials, 4 prospective cohort studies, 1 cross-sectional survey, and 1 comparative before-and-after trial.