



16094-Review

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Name of journal: World Journal of Methodology

ESPS Manuscript NO: 16094

Columns: Editorial

10  
Neurally adjusted ventilator assist in very low birth weight infants: Current status

Hassib Narchi, Fares Chedid

3  
Abstract

Continuous improvements in perinatal care have resulted in increased survival of premature infants. Their immature lungs are prone to injury with mechanical ventilation and this may develop into chronic lung disease or bronchopulmonary dysplasia (BPD). Strategies to minimize the risk of lung injury have been developed and include improved antenatal management (education, regionalization, steroids, and antibiotics), exogenous surfactant administration and reduction of barotrauma by using exclusive or early noninvasive ventilatory support. The most frequently used mode of assisted ventilation is pressure support ventilation (PSV) that may lead to patient-ventilator asynchrony that is associated with poor outcome. Ventilator-induced diaphragmatic dysfunction or disuse atrophy of diaphragm fibers may also occur.

This has led to the development of new ventilation modes including neurally



Neurally adjusted ventilator assist in very low birth weight infants: Currer



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