

STRONG CHILDREN'S RESEARCH CENTER

Summer 2019 Research Scholar

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ABSTRACT

Title: *Neurodevelopmental outcome of preterm neonates in different NICU room types – a retrospective study*

Background: Sensory experiences for preterm infants in the neonatal intensive care unit (NICU) can affect neurodevelopmental outcomes. To reduce overstimulation and encourage family involvement, many hospitals have remodeled their NICU's from open bays to single private rooms¹. Golisano Children's Hospital made this transition in July 2015. There are contradictory findings on neurodevelopmental outcomes for neonates cared for in single rooms, with both improved and adverse outcomes reported^{2,3}.

Objective: To compare the neurodevelopmental outcome of preterm neonates cared for in open bays with those cared for in single rooms