

STRONG CHILDREN'S RESEARCH CENTER

Summer 2014 Research Scholar

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ABSTRACT

Title: *Elucidating Molecular Mechanisms Underlying EPO in the Developing Brain.*

Background:

Hypoxic Ischemic Encephalopathy (HIE), a brain injury caused by a combination of inadequate blood flow and oxygen to the brain, has a high morbidity and mortality leading to death in 15-20% of cases and severe neurological damage in another 25%. While therapeutic hypothermia can somewhat benefit the prognosis of an infant suffering from hypoxic insult, this treatment can only be utilized in term or near term infants and its availability is limited. Recent