

CereTRec

CEREBRAL TRAUMA RECOVERY DRUG DELIVERY SYSTEM

WHAT IS CereTRec?

CereTRec is a cerebral trauma recovery drug delivery system that addresses the need to deliver neuroprotective therapeutics directly to the site of injury to treat moderate-to-severe traumatic brain injury (TBI). Designed to aggregate at the site of brain injury, CereTRec releases neuroprotective therapeutics at controlled time intervals while maintaining low drug clearance rates.



WHY IS CereTRec NEEDED?

Currently there are no neuroprotective therapeutics that stabilize moderate-to-severe TBI. While considerable research has been made to understand the injury cascade following primary injury and to develop therapeutics, clinicians have yet to identify a treatment for TBI that improves outcomes. This lack of efficacy is due to the inability of these drugs to bypass the blood-brain barrier (BBB) and target damaged regions of the brain before being cleared by the body.

HOW DOES CereTRec WORK?

The CereTRec platform is a liposomal formulation that can cross the blood brain barrier (BBB), target recently damaged brain cells, and release multiple neuroprotective therapeutics over a sustained period of time.

WHAT MAKES CereTRec DIFFERENT?

CereTRec has the ability to treat the TBI cascade that evolves over the first 72 hours of critical care. Currently, there are no FDA-approved formulations for therapeutic treatment of TBI. The drugs on the market do not satisfy the need for neuroprotective, neuro-restorative, or symptom-specific treatment options.

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8/27/2018 – 8/26/2020 Technical Monitor Dr. Dwayne Taliaferro