Valproic Acid in Prolonged Damage Control Resuscitation

AWARD AMOUNT: $3M

THE TEAM

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THE PROBLEM

There are currently no treatments that can be used in the austere battlefield with delayed evacuation to minimize organ injury and prolong survival until the injured can receive definitive treatment at higher echelons of care.

- No treatments for TBI & hemorrhage
- Blood products not always available
- Difficult to store medicines
- No immediate treatments

THE SOLUTION

This therapeutic approach uses valproic acid and dried plasma products to minimize organ injury and prolong survival.

- Easy to administer
- Requires no special storage
- Inexpensive and widely available
- Has been in clinical use for >40 years
- Used in small volumes

THE THERAPEUTIC

Valproic acid is an FDA-approved anti-seizure medicine that has been shown to reduce brain lesion size, inflammation, and swelling.

Valproic acid has also been demonstrated to improve long-term neurological recovery and healing in large animal models of TBI and hemorrhagic shock.