



US DEPARTMENT OF DEFENSE

BLAST INJURY RESEARCH PROGRAM COORDINATING OFFICE

Bioengineering

Avance Nerve Graft Plus Autologous Bone Marrow for Peripheral Nerve Repair

Peripheral nerve injury can have devastating effects on recovery following blast injury. The Avance nerve graft (Axogen, Inc.), an implantable nerve guide that aids in the repair of traumatic peripheral nerve injuries with significant defects, may provide an effective way to quickly mitigate injury damage. This results in less burden to wounded warriors in the short term by lessening length of rehabilitation, and in the long term by reducing recidivistic chronic ailments. The effectiveness of the nerve graft in improving damage after injury is currently being investigated by Walter Reed National Military Medical Center (WRNMMC; Bethesda, MD) and the Curtis National Hand Center (Baltimore, MD). Enrollment of 12 participants is underway.

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