

18 year old male with a serious T.B.I. with loss of arm due to train accident.

As a senior in high school, subject was struck by a train while walking the railroad tracks, causing very severe brain damage and loss of his left arm, leaving only a 4" stub. After 3 years of therapy, subject was unsteady on his feet, right hand toned in, right field neglect in his field of vision, unable to manipulate his fingers with any dexterity.

Within the 1st month, he demonstrated the ability to manipulate a marble mouse, rejecting a foot-controlled mouse. He has demonstrated the following improvements:

- Toned in hand began opening with thumb and forefinger able to pick up items that had dropped.
- Used his stub (left side) to manipulate the marble mouse and to enter the click as well as his right hand.
- Circulation in right hand increased whereas before the hand was always cold.
- Speech pattern changed from a mumble to soft spoken but clearly distinguishable sounds even over the telephone.
- Subject stated he awoke at 3:00 a.m. and worked on the assigned cognitive exercise.
- Climbs the stairs to his bedroom without difficulty.

