

Global clinical neurorestoration in complete chronic spinal cord injury

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Though the treatment to recover functions in people who suffering complete spinal cord injury (SCI) remains a big challenge for clinical physicians and the point that there are no effective therapeutic methods to restore lesion neurological functions is still popular in medical community, accumulating data have shown that partial clinical neurorestoration is possible using cell therapy, neurostimulation or neuromodulation, neuroprosthesis or related advanced assistive devices, neurotization or nerve bridging, neurorehabilitation. Here we summarize the literatures that demonstrate patients with chronic complete SCI have been able to obtain neurorestoration, which is based on the scientific information available till April of 2013, and we discuss several important issues about the evidences. The goal of this article is to show the objective “yes or no” evidences to the global medical community, hope more people know what the progress in this field is and the medical community highlights the promising role of the clinical neurorestorative treatments for CNS incurable diseases.

Biography

Huang Hongyun is Chairman of Department of Neurosurgery, Beijing Rehabilitation Hospital, Capital Medical University. He put first forward theory in the world, that is, clinical neurological functions of patients with incurable nervous damage or diseases in CNS are able to be restored by neurorestorative therapies in 2003 and then put forward and set up a new discipline - Neurorestoratology. Collaborated with world-top experts in this field, he set up International Association of Neurorestoratology (IANR) in 2007 and was awarded as the Founding President of IANR in 2011. He published over 100 scientific papers and edited two books, OEC Transplantation and CNS Neurorestoratology. He serves as Editor-in-Chief in Journal of Neurorestoratology, Guest Editor in Cell Transplantation, an Associate Editor in American Journal of Neuroprotection and Neuroregeneration.

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