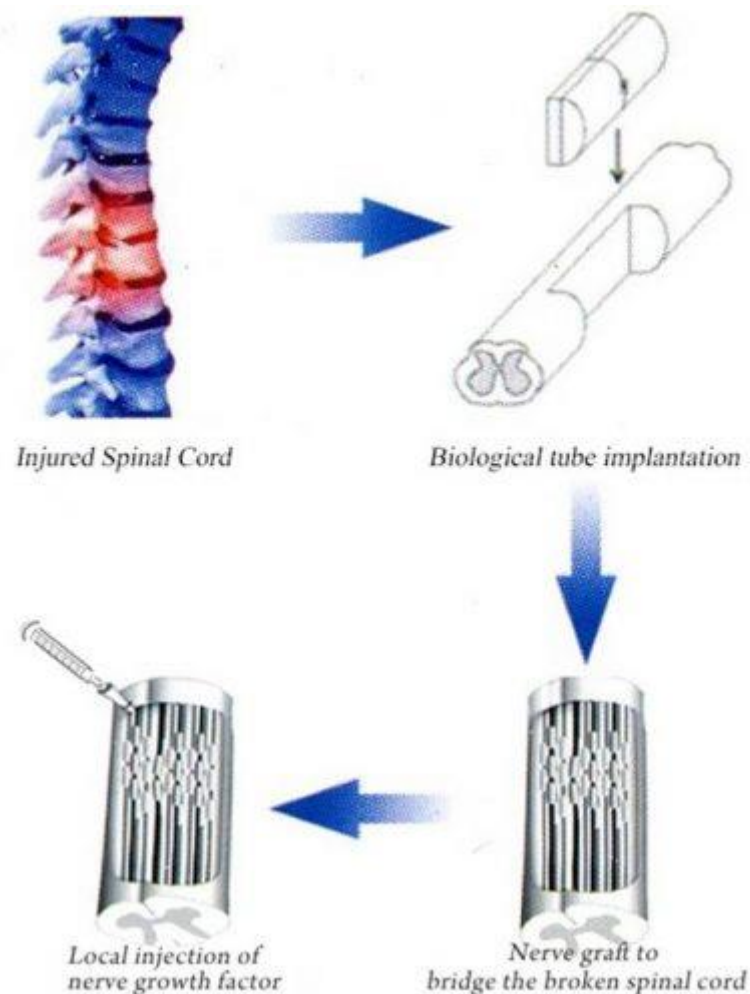


## Spinal Cord Reconstruction Surgery + Nerve Growth Factor Therapy



As with any spinal cord injury treatment, the aim of Puhua International Hospital's procedure is to restore neurological function (which previously otherwise permanently lost). By combining neurosurgery and biotherapy, damaged areas of the spinal cord can be repaired which improves the ability of patients to move ("motor outcomes") and to feel ("sensory outcomes") beyond which they have had previously.

While many treatment programs for SCI patients remain focused on extensive physical therapy, occupational therapy, and other rehabilitation modalities, essentially teaching the injured person how to cope with their disability, BPIH utilizes cutting edge bio-technology to offer a better solution.

Pioneered by Dr. Xiaodi Han (Head of Neurosurgery), Puhua is currently the only hospital which provides a combined "Spinal Cord Reconstruction Surgery and Nerve Growth Factor Treatment" program for complete spinal cord injury patients.

Beijing Puhua International Hospital (BPIH) has been using Spinal Cord Reconstruction Surgery and Nerve Growth Factor to treat patients with both complete and incomplete spinal

cord injuries since 2004. In the years since it's inception, hundreds of patients from over 50 countries have regained varying degrees of mobility.

85% of complete spinal cord injury patients who have undergone the treatment have seen a marked improvement in the ability to move and feel with almost 100% of patients whose injury occurred in the preceding 12 months or sooner did extremely well as is evidenced by their ASIA scores which increased more than 10 points on average. These improvements we are not limited to a specific area with patients making leaps forward in muscle strength and tension, motor function and limbs movement, overall sensation, bladder and bowel spasticity and involuntary sweat reduction.

<b>Surgery *****</b>	Spinal Cord Reconstruction Surgery
<b>Nerve Growth Factor****</b>	Local Injection during the Spinal Cord Reconstruction Surgery
	IV Injection
<b>Supportive Medicine and Rehab</b>	Neural Nutrition
	Physiotherapy
	Traditional Chinese Medicine
	Occupational Therapy
<b>Partient's Service</b>	Invitation letter for Patients/Accompany members
	Airport pickup
	English/Russian/Korean/Arabic Translation
	In-patient Standard-room for patient and accompany members
	International Service Department staff to help each patient in all aspect

## **Treatment Program at Beijing Puhua International Hospital**

Led by Dr. Xiaodi Han (Head of neurosurgery dept.), who has accumulated over 20 years of experience in neurosurgery and biotherapy research, Puhua gives our patients the best chance of recovery. Combining the Spinal Cord Reconstruction Surgery with Nerve Nutrition, Nerve Growth Factor agents can be injected locally into the damaged area of the spinal, giving a much higher success rate.

The treatment is also combined with daily rehabilitation training and acupuncture treatment.

### **Dr. Han Xiaodi Director of Neurosurgery**



Dr. Xiaodi Han graduated from Shanghai Medical University (now merged with Fudan University) in 1992 following which he arrived in Beijing to work at the prestigious Neurosurgery Department of Beijing Tiantan Hospital. It was there where he studied under Professor Jizhong Zhao, and participated in some

of China's most important research projects. While working at the Neurosurgery Department of Beijing Tiantan Hospital, he was in charge of comprehensive treatment of glioma and various kinds of neurosurgical treatments which eventually earned him positions at Alfred Hospital, Melbourne, Australia, and Wichita State University, Kansas, America. Subsequently, he worked at the Neurosurgery Department of University of Rochester Medical Center where he was responsible for post-graduate research specializing in nerve growth factor treatment.

Currently, Dr. Xiaodi Han is the Chief Neurosurgeon of Beijing Puhua International Hospital. He has devoted himself to clinical the clinical applications and research of nerve growth factor treatments for neurological diseases.

Areas of specialization: Stereotactic technique to treat Parkinson's Disease, "Spinal cord reconstruction surgery + Nerve growth factor therapy" to treat spinal cord injury, "Operation+ Intraoperative Radiotherapy(IORT) + BCNU wafer" to treat malignant brain tumor.

### **Patients' Talk(videos)**