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Significant physical function improvements of 3 serious injured patients after neural stem cell therapy

Here, we reported three patient cases in which they were seriously injured by accidents. Among them, two of them were injured by car accidents and the third patient was injured by falling down from Chinese house roof approximate 3 meter high, respectively. The common symptoms of them are head and chest vertebral injury, coma and incontinence of feces and pee, numbness of lower limb and disabled or restricted movement and so forth. After regular treatments at hospitals for different periods, all of them only obtained minor function recoveries. After subsequent 2 or 3 courses of treatment with neural stem cells, significant physical function improvements were successfully achieved. These functional recoveries included feeling strong waist, sitting up freely but cannot stand, perceiving feces and pee but cannot control, the left leg can move horizontally but cannot lift up, the right leg can lift up but cannot resist the resistance, higher double lower limb muscle tensions, having feeling obstacle under xiphoid process and the double arms can move freely, etc. More importantly, after stem cell transplantation therapy, one of them, could crawl and even could walk with the help of walking aid. These preliminary clinical trials vividly demonstrated that the feasibility of stem cell therapy for the patients with serious brain and spinal cord injuries and provided pioneer evidences for further clinical trials with various stem cells to treat different human diseases.

Biography

Taihua Wang has completed his MD in 1983 from Shandong Medical University and obtained his Postdoctoral studies in Danish Royal Hospital from 1990 to 1993. He is the Director of Interventional Hospital of Shandong Red Cross Society, one of the top hospitals in China. He has published more than 20 papers in reputed journals and was awarded 7 national patents. He is pioneer of stem cell therapy in the world and has extensive collaborations with Harvard Medical School, University of Pennsylvania, etc. He has already performed several thousand clinical cases with stem cells during the past 12 years.

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