

Patient ID*: B429

AGE: 05/ Male

COUNTRY: Pakistan

DIAGNOSIS: Complete Spinal cord Injury (SCI) D2-D3 with paraplegia with no bowel and bladder control.

REASON FOR COMING FOR TREATMENT: Patient had tried all available conventional treatments in the best of spinal injury hospitals in his country and found no improvements. He tried new emerging treatments like stem cells twice at Beike and felt benefited. Subsequently the parents approached us for repeat treatment.

TREATMENT: Mesenchymal Stem Cells derived from Wharton's Jelly of Human Umbilical cord. He received 6 injections of stem cells, 2 through Intravenous route in a dose of 1million cells/kg body weight and 4 injections of adequate cells through intrathecal route

START DATE OF TREATMENT: 28thNov 2012

BEFORE TREATMENT: He had no power in his abdominal muscles and lower limbs. His ASIA motor score of both lower limbs combined was 1. There was spasticity in lower limbs. There was no movement of waist/hips.

AFTER TREATMENT: Just before discharge following improvements were noted by the medical team:

- His ASIA motor score of both the lower limbs improved to 4 and he felt more power and control in his lower limbs and also a marked increase in the tone of his dorsiflexors.
- He also experienced more power in his abdominal muscles because of which he could change from lying to sitting position more easily and could move his waist (he could now straighten his legs and raise them parallel to the ground while sitting in the wheel chair).
- His general wellbeing, appetite and confidence also increased.
- He was more active in his daily activities.

After return to his home country, we are awaiting further follow-up for any additional improvements.

Disclaimer: Stem cell therapy using tissue stem cells does not fall under the realm of accepted modalities of treatment. The results reaped from this therapy may differ from person to person.

**To protect identity names of patients not disclosed.*