

**Patient ID\*:** W 292

**AGE:** 45/ Male

**COUNTRY:** India

**DIAGNOSIS:** Spinal cord Injury (SCI) C6/C7 with Quadriplegia

The patient was diagnosed in 2006 with reducible atlanto -axial dislocation with myelomalacic spinal cord as a result of trauma 14 years ago. Spinal cord decompression surgery was done and spine was stabilized. This was unsuccessful and the patient was completely paralyzed neck down. After natural recovery, the power in all muscles improved to grade 4.

**REASON FOR COMING FOR TREATMENT:** Patient had tried all available conventional treatments in the best of spinal injury hospitals in his country and elsewhere and there was no improvement in his condition after the cessation of his natural recovery. He thought of trying new emerging treatments like stem cells, benefits of which he had heard from other patient groups.

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

**START DATE OF TREATMENT:** 16th Jan 2013

**BEFORE TREATMENT:** Residual neurological deficit persisted at admission and the patient required a walker. His bladder control was till 4 hours. Power in almost all muscle groups was 4 and there was spasticity in all groups of muscles.

**AFTER TREATMENT:** The following improvements were noticed by the medical team during the stay (just before discharge):

- He felt more power and control in all his muscles.
- His spasticity duration reduced appreciably.
- His bladder control improved and could now hold urine till 6 hours.
- His general well-being and confidence also increased.

Further follow-up is underway and we expect additional improvements post-treatment.

*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.*