

**Patient ID\*:** I199

**AGE:** 11/ Male

**COUNTRY:** Argentina

**DIAGNOSIS:** Spastic Cerebral Palsy with Mental retardation, seizures and Microcephaly

The patient had this neurodevelopmental disorder at birth. The childbirth was a vaginal delivery at term with the aid of forceps. The baby did not cry at birth and was kept in the ventilator and discharged from NICU after 1 month. Subsequently, the child was diagnosed with cerebral palsy based on MRI and clinical features.

**REASON FOR COMING FOR TREATMENT:** Parents had tried all available conventional treatments in the best of neurology and children's hospitals in their country and elsewhere and there was no improvement in their child's condition. They were informed by the doctors that there is no treatment for this condition. His parents thought of trying new emerging treatments like stem cells, benefits of which they had heard about from other patients groups suffering from similar disorders.

**TREATMENT:** Mesenchymal Stem Cells derived from Wharton's Jelly of Human Umbilical cord. He received 6 injections of stem cells, 3 through Intravenous route in a dose of 1million cells/kg body weight and 3 injections of adequate cells through intrathecal route.

**START DATE OF TREATMENT:** 01th Oct 2012

**BEFORE TREATMENT:** He could neither sit nor turn sides. The patient could not hold his neck. Speech not developed. He responded to stimuli only by smiling. No bladder/bowel control.

**AFTER TREATMENT:** The following improvements were noticed by the parents during the stay:

- He could roll from side to side which he was not able to do earlier. Also he could move on the bed from one position to another.
- Neck holding had developed and trunk posture was more straight and firm now. He could sit on mat with arms free for more than 3 seconds.
- Improvements in the movement of hands. It was more precise, he could now grasp his own fingers.
- Spasticity had reduced to some extent.
- His response to stimuli was better and now he responded with gestures i.e. non - verbal communication improved.
- He watched and paid attention to T.V. for a longer duration and seemed to understand.

Further follow - up is underway; additional improvements may be expected in next few months.

*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.*