

Patient ID*: I396

AGE: 3/ Male

COUNTRY: Argentina

DIAGNOSIS: Spastic Cerebral Palsy (Diplegic)

Patient had this neurodevelopmental disorder since birth. He was born preterm (at 27-28 weeks) and did not cry at birth. He was kept on ventilator support and was discharged from the NICU after a month. Subsequently, he was diagnosed with cerebral palsy based on the MRI and clinical features of spasticity and limb weakness.

REASON FOR COMING FOR TREATMENT: His parents had tried all available conventional treatments in the best of neurology and child hospitals in their country, but there was no improvement. His parents thought of trying new emerging treatments like stem cell therapy, benefits of which they had heard about from other patients suffering from similar disorders.

TREATMENT: Mesenchymal stem cells derived from Wharton's jelly, of which he received 6 injections of stem cells, 3 through the intravenous route in a dose of 1 million cells/kg body weight and 3 injections through the intrathecal route.

START DATE OF TREATMENT: 30th Sept 2012

BEFORE TREATMENT: He could partially turn from side to side. He could sit without support for few minutes and could speak a few sentences.

AFTER TREATMENT: The following improvements were noticed by his parents during their stay.

- Before the treatment started, his saliva drooling would wet his T-shirt, but now it has reduced by 70%. He now drool only when he is concentrating on something.
- His cognitive ability has improved in the sense that earlier he used to speak irrelevant things but now he makes sense and thinks before speaking. He can identify TV cartoon characters by name and can identify colours by name as well, something he couldn't do earlier.
- Now he reaches out for objects and is actually able to grab them, something he couldn't do earlier.
- His sleep cycle has become more regular of a normal child.

Further follow-up is underway; additional improvements may be expected in the 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.*