

**Patient ID\*:** I315

**AGE:** 09/Male

**COUNTRY:** Pakistan

**DIAGNOSIS:** Duchenne Muscular Dystrophy (DMD)

The patient was fine till the year 2009. Thereafter, he started to have progressive weakness in his limb muscles and was diagnosed as DMD by a neurologist. He is wheel - chair bound since June 2012.

**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:** 16<sup>th</sup> Oct 2012

**BEFORE TREATMENT:** There was marked weakness in his limb muscles and the power in shoulder, scapula and trunk muscles was 2/5. He used to get tired very soon and had diminished stamina for daily activities.

**AFTER TREATMENT:** The following improvements were noticed by the medical team during the stay (just before discharge): There was improvement in the muscle power of the shoulder, scapula and trunk muscle and it was 3/5 now in this group of muscles. Consequently, he was able to stretch his upper limbs straight and raise them up higher against gravity as compared to earlier.

On further follow - up after returning home, mother informed us telephonically that there were further improvements and his quality of life has improved.

*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.*