

**Patient ID\*:** M125

**AGE:** 26/ Male

**COUNTRY:** India

**DIAGNOSIS:** ONA (Optic nerve atrophy) & Sequelae of *traumatic* brain injury

The patient is a case of residual neurological deficit following severe form of brain injury & optic atrophy as a result of a road traffic accident in 2008. Initially, he was in coma for many months and his chances of significant recovery were meagre as per the doctors at the time.

**REASON FOR COMING FOR TREATMENT:** He had tried all available conventional treatments in the best of neurology hospitals in his country and elsewhere. He then decided to undergo stem cell therapy in China, after which he showed major improvements in his muscle strength, glasgow coma scale and vision in his left eye. The improvements in his muscular strength and vision were evident at medical examinations even 30 months after his injury and usually not expected after 18 months in similar cases. There is level 5 & 4 evidence in peer reviewed journals for MSCs experimental therapy in traumatic neurological injuries. Due to his previous experience of stem cell therapy he decided to get treated for the second time in India for additional improvements in his vision.

**TREATMENT:** Mesenchymal Stem Cells derived from Wharton's Jelly of Human Umbilical cord. He received 4 injections of stem cells through retrobulbar route, 2 in each eye.

**START DATE OF TREATMENT:** 25<sup>th</sup> Jan 2013

**BEFORE TREATMENT:** Before the start of treatment there was **no** useful vision with his left eye he could count fingers up to a distance of 1.5 meters. There was no vision in his Right eye (not even perception of light as his optic nerve was completely damaged)

**AFTER TREATMENT:** During the follow up period of treatment he has regained some useful vision with left eye he could now read Snell chart with 20/70 visual acuity.

He could see objects brighter and colours better.

Right eye did not show much improvement.

*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.*