# PATIENT CASE STUDY

*Optic Nerve Atrophy*

**Patient ID*:** I353
**AGE:** 14/F
**COUNTRY:** Poland
**DIAGNOSIS:** Optic Nerve Atrophy secondary to Optic Neuritis

Patient had suddenly lost vision of her right eye in 2006. She gradually was losing vision in her left eye since 2009. She was diagnosed with optic neuritis due to an unknown cause which subsequently progressed to optic atrophy thereby making the patient permanent blind.

**REASON FOR COMING FOR TREATMENT:** Patient had tried all available conventional treatments in the best eye hospitals of her country and elsewhere. She found no improvement, except when she took stem cells at another center in 2009 where some improvement was documented. Since there is no conventional allopathic treatment available, mother decided to repeat stem cell treatment at Unistem. She flew to India to get a repeat stem cell therapy.

**TREATMENT:** Mesenchymal Stem Cells derived from Wharton's Jelly of Human Umbilical cord. She received 7 injections of stem cells, 3 through Intravenous route in a dose of 1million cells/kg body weight, 2 injections of adequate cells through intrathecal route and 2 through retro bulbar route.

**START DATE OF TREATMENT:** 18th Sept 2012

**BEFORE TREATMENT:** At admission, patient appreciated only hand movements at 0.5 meters in her left eye and had only perception of light in her right eye.

**AFTER TREATMENT:** Before discharge, the patient was able to count fingers at 1.5 meters with her left eye and was able to see light more brightly in the right eye. She was able to make beautiful drawings on paper. Her pupillary diameter of both eyes changed from 4/3 mm at admission to 3/3 a day before discharge suggesting that her optic pathway was handling more light signals after stem cell administrations. Improvements were observed soon after 2nd injection. On the day of discharge she was able to see the clock on the wall for the first time which was around 4 meters from her eyes.

***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.***