

Patient ID*: B544

AGE: 42/ Female

COUNTRY: India

DIAGNOSIS: Motor Neuron Disease (Amyotrophic Lateral Sclerosis -ALS)

Patient first started to have problems in January 2011 when she had pain in her right wrist followed by weakness and slurring of speech, which turned out to be ALS when her diagnosis was confirmed in May 2012.

REASON FOR COMING FOR TREATMENT: The patient had tried all available conventional treatments in the best neurology hospitals in her country and elsewhere but there was no improvement in her condition. She thought of trying new emerging treatments like stem cells, benefits of which they had heard about from other patient groups suffering from similar disorders.

TREATMENT: Mesenchymal stem cells derived from Wharton's jelly, of which she received 5 injections of stem cells, 3 through the intravenous route in a dose of 1 million cells/kg body weight and 2 injections of adequate cells through the intrathecal route.

START DATE OF TREATMENT: 4th Nov 2012

BEFORE TREATMENT: Instability of gait since September 2011. Change of voice and slurring since May 2012. Weakness in all four limbs (upper limb more than lower limbs) was recorded by the neurologist at the time of admission, including pain in the right hand.

AFTER TREATMENT: Although improvements do not appear so early from stem cell therapy in ALS but the patient noticed some small improvements during her stay.

- Slurring in her speech has become less and speech has become more coherent.
- Fatigability has reduced and her energy level has increased.
- Pain in the right index finger has reduced significantly.

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.*