

BEIKE BIOTECHNOLOGY

Patient Case Study

Multiple Sclerosis

Female, 30 years old, April - May 2010

Background

Age: 30 years old

Sex: Female

Nationality: Australian

Date of Admission: April 27, 2010

Date of Discharge: May 28, 2010

Treatment Center: Guangdong Provincial Hospital of TCM, Guangzhou, China

Diagnosis on Admission: Secondary Progressive Multiple Sclerosis

Condition On Admission

Patient's chief complaint was reduced and double vision in both eyes for 15 years and weakness in her right arm and leg for 5 years. Her right leg was particularly stiff and steps were unstable. She was unable to walk in a straight line and relied on a wheel chair for any travel of over 150 meters. Bladder control had also deteriorated. Routine physical examinations showed no other abnormalities and vital signs were stable.

Treatment Schedule

Patient received 6 umbilical cord-derived mesenchymal stem cell (UC-MSC) packets by intravenous (IV) injection and lumbar puncture (LP), as per schedule below:

Number	Date	Cell Type	Delivery Method	Side Effects
1	April 30, 2010	UC-MSC	IV	none reported
2	May 5, 2010	UC-MSC	LP	none reported
3	May 10, 2010	UC-MSC	IV	none reported
4	May 14, 2010	UC-MSC	LP	none reported
5	May 19, 2010	UC-MSC	LP	none reported
6	May 24, 2010	UC-MSC	IV	none reported

Condition On Discharge

Doctors did not observe any significant changes in her physical condition. The patient reported feeling she has a little more energy.

Follow Up Information

Condition 3 months after treatment: The patient reported moderate improvements in her condition and also felt that improvements were still continuing to be made at 3 months after treatment. Her main improvements have been in energy, balance, and overall fitness. Please see the comments below:

“My balance is improved and my energy levels are better, my hand writing is better and fitness improved.”

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