

BEIKE BIOTECHNOLOGY

Patient Case Study

Multiple Sclerosis

Female, 46 years old, February - March 2012

Background

Age: 46 years old

Sex: Female

Nationality: Panamanian

Date of Admission: February 17, 2012

Date of Discharge: March 10, 2012

Treatment Center: University Branch of Guangdong Provincial Hospital of Traditional Chinese Medicine, Guangzhou, China

Diagnosis on Admission: Multiple Sclerosis

Condition On Admission

The patient's chief complaint was of numbness in her left limbs for the previous 5 years. Upon admission she was found to have numbness in her left limbs without any loss of power and the muscle tension was also normal. She also suffered from headaches. Her visual field and power were normal.

Treatment Schedule

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

Number	Date	Cell Type	Delivery Method	Side Effects
1	February 20, 2012	UCBSC	IV	none reported
2	February 22, 2012	UCBSC	LP	none reported
3	February 27, 2012	UCBSC	LP	none reported
4	March 2, 2012	UCBSC	LP	none reported
5	March 7, 2012	UCBSC	LP	none reported
6	March 9, 2012	UCBSC	IV	none reported

Condition On Discharge

Doctors reported a considerable improvement in the numbness of her limbs. They advised her to continue with physical therapy focused on her limbs.

Follow Up Information

3 months after treatment: The patient completed the follow up survey and felt she had experienced significant improvements in her physical condition and that she was satisfied with the treatment outcome at this time.

Please see the excerpt below from her three month post-treatment assessment:

Symptom	Parents' Assessment of Improvement
Trunk control	Significant improvement
Balance	Moderate improvement
Movement in general	Moderate improvement
Walking	Moderate improvement
Standing up	Moderate improvement
Overall strength	Moderate improvement
Writing	Significant improvement
Range of movement	Moderate improvement

6 months after treatment: The patient reported on her follow up survey that she was still experiencing good improvements in her physical condition six months after treatment and that these were continuing and she was satisfied with the outcome of her treatment.

Please see the excerpt below from her six month post-treatment assessment:

Symptom	Parents' Assessment of Improvement
Trunk control	Moderate improvement
Balance	Moderate improvement
Movement in general	Moderate improvement
Walking	Moderate improvement
Standing up	Moderate improvement
Overall strength	Moderate improvement
Writing	Moderate improvement
Range of movement	Moderate improvement

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