

BEIKE BIOTECHNOLOGY

Patient Case Study

Huntington's Disease

Female, 33 years old, May-June 2010

Background

Age: 33 years old

Sex: Female

Nationality: Oman

Date of Admission: May 24, 2010

Date of Discharge: June 28, 2010

Treatment Center: Qingdao Chengyang People's Hospital, China

Diagnosis on Admission: Huntington's Disease

Condition On Admission

Patient's heart, lungs, and abdomen were normal. Muscle strength, tension, and tendon reflex were normal. Mental awareness was normal. Patient's speech was not fluent and upper limbs and head exhibited random and uncontrollable movements. Babinski signs were negative. All routine blood and urine examinations showed no significant abnormality. The electrocardiogram and lung x-ray showed no significant abnormality.

Treatment Schedule

Patient received 8 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	May 26, 2010	UCBSC	IV	none reported
2	May 31, 2010	UCBSC	LP	none reported
3	June 4, 2010	UCBSC	LP	none reported
4	June 9, 2010	UCBSC	LP	none reported
5	June 14, 2010	UCBSC	LP	none reported
6	June 16, 2010	UCBSC	LP	Headache
7	June 21, 2010	UCBSC	LP	Headache
8	June 25, 2010	UCBSC	IV	none reported

Notes During Treatment

After transplantation Patient reported having headaches after the last two lumbar punctures. These were treated with painkillers and intravenous fluid. Resolved without any further complications.

Condition On Discharge

Doctors noted a reduction in the patient's involuntary movements. Her upper limbs and head could be kept steadier when walking and she was able to keep herself motionless for a few minutes at a time. Her swallowing ability was observed to improve, with a noted reduction in choking when drinking fluids. The patient's family also observed improvements and commented that her swallowing had improved, her fingers could be used and stretched with more ease, and her general mood had lifted.

Follow Up Information

One month after the treatment the patient's family was still seeing improvements and indicated that the patient's quality of life had improved. They stated that during her physical therapy the patient was able to control and stop the involuntary movements when concentrating on the task at hand.

BEIKE BIOTECHNOLOGY CO., LTD.
9th Floor, Zhongke Building, 1 South Street
South Area, Shenzhen Hi-Tech Industrial Park
Shenzhen, China 518057

Tel: +86-755-8630-9184 Email: info@beikebiotech.com
Fax: +86-755-8630-9309 Web: www.beikebiotech.com

