

BEIKE BIOTECHNOLOGY

Patient Case Study

Stroke

Female, 36 years old, February - March 2019

Background

Age: 36 years old

Sex: Female

Nationality: Brazil

Date of Admission: February 16, 2019

Date of Discharge: March 9, 2019

Treatment Location: BBH, Bangkok

Diagnosis on Admission: Stroke

Condition On Admission

The patient suffered from a stroke in July 2016. Before receiving stem cell treatment, the patient had mild spasticity in the upper right limb with loss of movement, muscle weakness in the upper and lower limbs, and she had difficulty speaking. Before starting treatment, the patient had given up hope on regaining arm movement.

Treatment Schedule

The patient received 6 umbilical cord blood-derived stem cell (UCBSC) packets by intravenous infusion (IV) and Intrathecal Injection (LP), as per the schedule below:

Number	Date	Cell Type	Delivery Method	Side Effects
1	February 18, 2019	UCBSC	IV	none reported
2	February 22, 2019	UCBSC	LP	none reported
3	February 25, 2019	UCBSC	LP	none reported
4	March 1, 2019	UCBSC	LP	none reported
5	March 5, 2019	UCBSC	LP	none reported
6	March 8, 2019	UCBSC	IV	none reported

Condition On Discharge

At the end of the treatment, the patient was confident she would recover. She had already noticed some improvements in speech, and she had more energy.

Follow Up Information

3 months after the treatment, significant improvements in speech and spasticity in the arms have already been noticed. The patient still had difficulty moving her arm and had no movements in her hand and fingers. However, her doctors believe that she has a good chance of improving more, taking into account the progress she has already made.

Please see an excerpt from the patient's 3 month assessment below:

Symptom	Parents' Assessment of Improvement
Balance	Moderate improvements
Coordination	Moderate improvements
Fine hand movements	Small improvements
Tremors	Not applicable
Control of movement	Moderate improvements
Muscle stiffness	Not applicable
Speech	Moderate improvements
Walking	Moderate improvements
Fatigue	Small improvements

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