

BEIKE BIOTECHNOLOGY

Patient Case Study

Stroke

Female, 36 years, February - March 2019

Summary

Diagnosis	Sex	Age	Nationality
Stroke	Female	36 years	Brazil
Injections	Cell type	Admission date	Discharge date
6	UCBSC	February 16th 2019	March 19th 2019

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	2019-02-18	UCBSC	Intravenous Injection	none reported
2	2019-02-22	UCBSC	Intrathecal Injection	none reported
3	2019-02-25	UCBSC	Intrathecal Injection	none reported

Number	Date	Cell Type	Delivery Method	Side Effects
4	2019-03-01	UCBSC	Intrathecal Injection	none reported
5	2019-03-05	UCBSC	Intrathecal Injection	none reported
6	2019-03-08	UCBSC	Intravenous Injection	none reported

Condition 3 months after treatment

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.

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