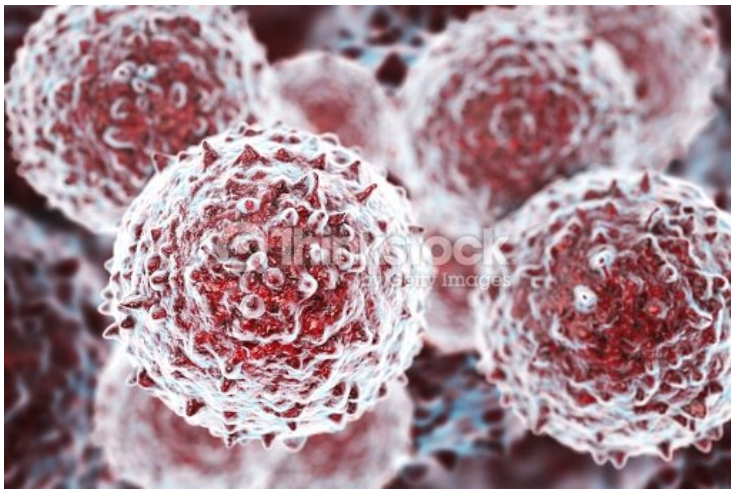
BioSpectrum
the business of Bio & Health Sciences
ASIA EDITION

Scientists find stem cell therapy helpful in curing Parkinson's

June 18, 2018 | News

The team has initiated clinical research of this stem cell-based strategy to treat Parkinson's disease, and the condition of some patients has improved significantly, according to the research team.



Parkinson’s disease is one of the leading neural degenerative disorders which is primarily caused by death of dopamine neurons. Stem cell research has great potential to treat Parkinson’s disease by creating dopamine producing cells from stem cells.

Scientists from Institute of Zoology under Chinese Academy of Sciences has used monkey models to evaluate the safety and efficacy of human embryonic stem cell-derived neurons for the treatment of Parkinson's disease, and showed up to two years of evaluation data. The research was published online in Stem Cell Reports on June 14.

The research showed that implanted cells survived for a long time and further matured. There was no immune rejection or other serious adverse reaction. Apparent behavioral improvement is observed in most monkey models.

The research provides support for clinical research.

The team has initiated clinical research of this stem cell-based strategy to treat Parkinson’s disease, and the condition of some patients has improved significantly, according to the research team.