

Stem Cell Therapy Trial for Spinal Cord Injury in Bengaluru

Bengaluru, September 2, 2025 – A pioneering clinical trial using stem cell therapy for spinal cord injuries has begun at a leading research hospital in Bengaluru, offering new hope to patients with partial paralysis.

Background

Spinal cord injuries often result in permanent disability due to the limited regenerative capacity of the nervous system. Current treatments are largely supportive, with limited options for restoring lost mobility. Stem cell therapy, however, is being investigated worldwide as a potential breakthrough in neuro-regeneration.

The Trial

- **Institution:** Conducted by a consortium of neurology specialists, stem cell researchers, and rehabilitation experts at a Bengaluru hospital.
 - **Patient Pool:** 40 individuals with partial spinal cord injuries (due to trauma or accidents) have been enrolled.
 - **Procedure:** Patients receive stem cell infusions combined with intensive physiotherapy and neuro-rehabilitation.
 - **Timeline:** The study is planned for 18 months, with early interim results expected by mid-2026.
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Expected Benefits

- Restoration of nerve connectivity in damaged spinal regions.
 - Improved mobility and sensory functions in patients with paralysis.
 - Potential reduction in long-term disability and dependency.
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Broader Impact

If successful, this trial could position India as a leader in advanced regenerative medicine. It would also create pathways for more affordable stem cell treatments compared to Western counterparts, making therapy accessible to a larger population.

Expert Opinion

Dr. Kavita Menon, lead investigator, said: *“Stem cell therapy holds the promise of rewriting the future for patients with spinal cord injuries. While challenges remain, our trial is a step toward making this hope a reality.”*