

Why Choose Dr. Cheng?

Dr. Cheng specializes in innovative treatments for spinal cord injuries, integrating cutting-edge technologies "with neural regeneration potential" and personalized precision rehabilitation strategies to significantly improve patients' motor and sensory functions while promoting neural repair. The pioneering multidisciplinary team (MDT) model he established breaks through the limitations of traditional rehabilitation, earning him the title "Key to Rebirth" among patients. As a leading authority in spinal cord injury rehabilitation, Dr. Cheng particularly excels in applying neuromodulation, bioengineering repair, and smart rehabilitation technologies to help patients rebuild neural pathways, restore limb function, and enhance quality of life and social participation capabilities.

Dr. Cheng successfully performed China's first CT-guided stereotactic brain innovative transplantation surgery. He also has extensive clinical experience in the diagnosis, treatment, and post-operative rehabilitation of diseases such as cerebral palsy, brain injury, spinal cord injury, post-stroke sequelae, and post-thrombotic sequelae, using novel transplantation techniques.



Spinal Cord Injury patients biggest concerns

- Do I still have a chance to walk again?
- Are multiple treatments required? How long do the effects last?
- Can stem cell therapy reduce medication dependency?

Our answer to you is stem cell therapy can solve the above problems

With stem cell therapy, patients with spinal cord injuries can certainly realize their dream of standing up again! The treatment plans and durations are different for the acute and chronic phases, and the specific treatment plan needs to be determined on an individual basis. But what is certain is that in spinal cord injury cases, patients' use of painkillers is reduced by 40-60% after stem cell therapy.

► Key Functional Improvements

This revolutionary treatment harnesses the regenerative potential of stem cells to repair damaged spinal cord tissue through three key mechanisms:

Differentiation & Cell Replacement

Stem cells demonstrate remarkable multipotent differentiation capacity, enabling them to develop into:

Neurons

Astrocytes

Oligodendrocytes

By replacing damaged spinal cord cells and reconstructing neural pathways, they facilitate functional recovery.

Neurotrophic Factor Secretion

Mesenchymal stem cells (MSCs) secrete essential growth factors, including:

Nerve Growth Factor (NGF)

Brain-Derived Neurotrophic Factor (BDNF)

These factors exert therapeutic effects by:

- Promoting neuronal survival and axonal growth
- Improving the local spinal cord microenvironment
- Creating optimal conditions for neural regeneration

Immunomodulation

- Inhibiting inflammatory cell infiltration
- Reducing pro-inflammatory cytokine release
- Protecting healthy neural tissue

This modulates the immune response and enhances overall repair efficacy.

• Our treatment method differs from ordinary stem cell treatment •



Intravenous Infusion



CT-guided Intrathecal Injection



Lumbar Puncture



**Super selective Arterial Injection
via Vascular Intervention**

• Mechanism of Action •

Stem Cell Therapy for Spinal Cord Injury represents a groundbreaking approach that harnesses the regenerative properties of to facilitate repair of damaged spinal cord tissue. Below is a detailed overview of the therapeutic mechanisms and potential benefits for patients

Neural Cell Regeneration & Synaptic Remodeling

NSCs and MSCs can differentiate into neurons, astrocytes, and oligodendrocytes, replacing necrotic cell in injured areas. They rebuild neural networks, enhancing recovery of motor and cognitive functions.

• Core treatment advantages: Safety Guarantee Mechanism •

Clinical Leadership

China's first and most experienced CP therapy innovator (pioneered since 2003)
Demonstrated success across all ages (3 months to 38 years)

Unmatched Safety Profile

10,000+ successfully treated cases
71.2% efficacy rate with zero reported adverse effects

Ensured by:

- ✓ Cutting-edge treatment protocols
- ✓ Stringent quality assurance
- ✓ World-class medical specialists

Nationally Recognized Innovation

Officially featured by State Media
Endorsed by leading medical authorities

Advanced Delivery Technologies

Comprehensive administration options:

- ✓ IV infusion - Intracranial - Lumbar
- ✓ Intranasal - Acupoint

Personalized delivery protocols for maximum effectiveness

Proprietary Cell Processing

Autologous bone marrow stem cells:

- ✓ Exclusive culture and expansion technology
- ✓ Optimized for neural regeneration

Clinically proven enhanced outcomes

Holistic Rehabilitation Program

Dual-focused methodology:

- ✓ Corrects CNS impairments
- ✓ Stimulates developmental growth

Documented improvements in:

Physical independence

Social integration

Quality of life metrics

Integrated Cocktail Therapy

Powerful combination of:

- ✓ Stem cell therapy
- ✓ Physical rehabilitation
- ✓ Traditional Chinese medicine (Tui Na, Acupuncture)

Scientifically validated synergistic effects

• Real Cases of Receiving Treatment •

Case 1:

Patient Profile

Name: Mr. Chen

Age/Gender/ Nationality: 51-year-old, male, Chinese

Background:

In August 2004, Mr. Chen sustained spinal cord injury in a traffic accident

MRI findings:

C6-C7 level spinal cord injury.

Two years and 10 months post-injury, Mr. Chen admitted for stem cell transplantation therapy in our hospital.

Pre-Treatment :

1. Sensory level: Pain/temperature sensation loss below 2cm above the nipple line
2. Motor impairment:
 - Bilateral lower limb paralysis (non-ambulatory)
 - Mild upper limb dysfunction (e.g., inability to scratch back)
3. Autonomic dysfunction:
 - Anhidrosis: Right-sided hemibody and right thoracodorsal region most affected
 - Complete sweat loss below waist
4. Bladder/bowel dysfunction:
 - Constipation with difficult defecation
 - Urinary frequency (250-300mL/void) with intermittent flow

Post-Treatment:

1. Sensory improvement:
 - Descended sensory level (now perceives gluteal IM injections and foot IV punctures)

Motor recovery:

- Achieved ambulation with walker (>10 minutes)
- Significant strength gain in standing transitions

Autonomic recovery:

- Partial sweat return in right hemibody (now extending to gluteal region)
- Normalized lower limb skin temperature

Genitourinary/gastrointestinal improvement:

- Spontaneous defecation without laxatives
- Reduced urinary frequency (350-450mL/void)

Case 2

Patient Profile

Name: Mr. Dong

Age/Gender/ Nationality: 24-year-old, male, Chinese

Background:

- August 2005: Sustained traumatic spinal cord injury
- MRI findings: C3-C7 segment spinal cord injury

Treatment course:

- Underwent surgical intervention
- Completed nearly one year of rehabilitation therapy
- September 6, 2006 (1 year post-injury): Underwent stem cell transplantation

Pre-Treatment :

1. Motor Function:

- Upper limbs:
 - Severe muscle atrophy in both arms
 - Left arm: Minimal elevation possible (cannot raise fully), complete finger paralysis (claw hand deformity)
 - Right arm: No voluntary elevation, minimal horizontal movement in bed, wrist fixation, complete finger paralysis (claw hand)
- Lower limbs: Complete paralysis without voluntary movement

2. Sensory Function:

- Sensory level at 3cm above nipple line
- Complete loss of bowel/bladder sensation

3. Muscle Tone:

- Upper limbs: Hypertonia with rigid movements
- Lower limbs: Flexion contractures
- Right leg: Passively extendable but rapidly returns to flexed posture with stimulation
- Left leg: Fixed flexion (unresponsive to passive extension)
- Severe adductor spasm (difficult abduction)

4. Reflexes: Absent bilateral abdominal reflexes

5. Autonomic Dysfunction:

- Anhidrosis below 3cm above nipple line (impaired thermoregulation)
- Bowel: Complete sensory loss
- Bladder: Incontinence

Post-Treatment:

1. Motor Improvement:

- Increased strength in both arms (right arm achieves voluntary elevation)

2. Trunk/Limb Function:

- Enhanced lumbar strength:
 - Stands 1+ hours with brace/family assistance
 - Independent standing (3-4 minutes) by grasping bedrail (previously impossible)

3. Sensory Recovery: Descended sensory level

4. Autonomic Recovery: Normalized sweating

5. Genitourinary/ Gastrointestinal:

- Bowel: Regained sensation, voluntary anal sphincter contraction
- Bladder:
 - Urinary retention >1 minute
 - Increased voiding volume
 - Scheduled voiding (3x/day) vs. previous incontinence

6. Muscle Reconditioning:

Visible hypertrophy in atrophied upper limbs/chest



• Why Choose Us? •



World Class Care:
30,000+ patients from 30+ countries.



VIP Services:
24/7 private physicians, luxury concierge (transport/hotel),
Multilingual support (Arabic/English),
halal meals, prayer rooms.



Technology & Expertise:
Led by Dr. Cheng's team; integrates Western and Traditional Chinese Medicine.

If you have any questions or need to know more about the cases, please feel free to consult us and get a free 1-on-1 treatment plan

Support@sunmoonnow.com

You can contact us anytime if you have any question