

STEM CELLS INSTITUTE is a science-led, ethics-driven medical clinic dedicated to advancing regenerative medicine through approved research, transparent results, and patient education. We support both patients and clinicians by clearly defining what is established, what remains under investigation, and how current evidence applies to individual cases.

Our programs prioritize ethical sourcing, independent oversight, and full cost transparency. We do not promote unapproved therapies. Instead, we engage patients and clinicians in an informed, data-driven process that emphasizes safety, integrity, and clarity at every step.

**Science first. Safety always.**



## What are Mesenchymal Stem Cells?

Mesenchymal stem cells or MSCs are cells with a remarkable ability to differentiate into multiple cell types and secrete a wide range of biological factors that support the restoration, repair, and regeneration of injured or damaged tissues.

Advantages over other therapies:

- No immune response
- Faster tissue repair
- Gentle and Painless

When MSCs are introduced into the body, they travel to areas of inflammation or injury and release signals that calm inflammation, support repair, and help restore healthier tissue function.

- MSCs are the body's repair and signaling cells. They help coordinate healing rather than acting like a drug.

- They reduce inflammation. MSCs calm overactive immune responses that drive pain and tissue damage.
- They support tissue repair. MSCs send signals that help damaged tissue recover and function better.
- They improve blood flow and cellular communication. This creates a healthier healing environment.
- They work with your body, not against it. MSCs support natural healing processes instead of forcing change.



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## Our Medical Director

**Dr. Enrique Francisco Verduga , MD** is a neurosurgeon with more than 25 years of experience, specializing in spine surgery and regenerative medicine.

He studied Medicine abroad and completed his training in Neurosurgery through the Mexican Board of Neurological Surgery. Throughout his career, he has managed a wide range of complex spinal cases, allowing him to refine his expertise and deliver effective, patient-focused solutions.

For over 15 years, Dr. Verduga Regalado has also been an expert in regenerative medicine practices, including stem cell-based and advanced biologic therapies. During this time, he has treated countless patients and observed consistently strong clinical outcomes.

His approach emphasizes personalized care, tailoring each treatment plan to the individual patient with the goal of achieving the highest possible quality of life.

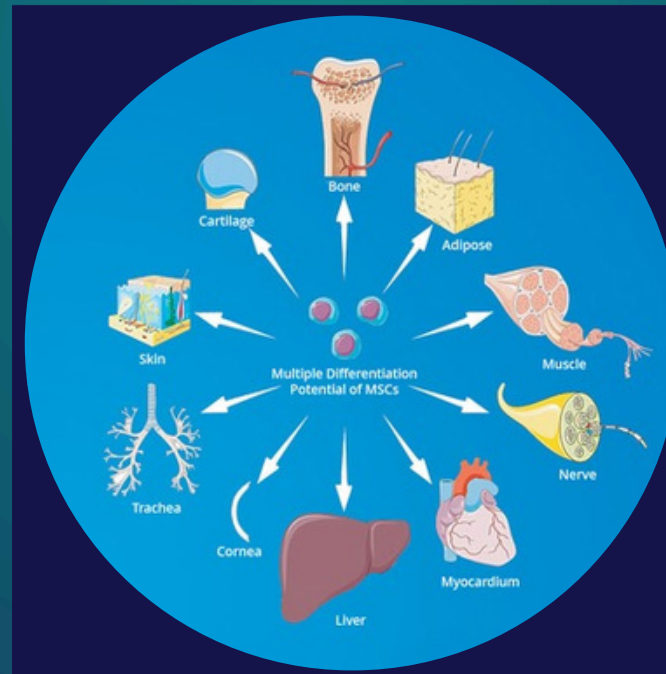
## Clinical Applications

*Orthopedic:* arthritis, tendon and ligament injuries, degenerative disc disease.

*Neurologic:* multiple sclerosis, traumatic brain injury, stroke (under study).

*Autoimmune & inflammatory:* Crohn's disease, lupus, rheumatoid arthritis.

*Cardiovascular & renal:* chronic ischemia, kidney injury.



## What Makes Our Stem Cells Different?

Not all stem cell therapies are the same. Quality is determined at the source—and by how quickly and carefully cells are handled.

Our donor standards are exceptionally strict.

Placentas are accepted only when all criteria are met:

- Donor mothers are between 18–25 years old
- Mother and baby must be extremely healthy
- Full-term delivery in a controlled hospital setting
- No COVID vaccination history
- Explicit informed consent for tissue donation

Every placenta is rigorously tested for bloodborne illnesses, contamination, and tissue integrity before acceptance. Only a small fraction qualify. Once approved, cells are harvested, purified, validated for potency and viability, and prepared for immediate use.

Guaranteed stem cell viability of at least 94% at the time of administration

The result is high-potency, highly viable MSCs delivered fresh—within hours—maximizing safety, purity, and therapeutic potential.

Our operations are regulated and licensed by COFEPRIS (Comisión Federal para la Protección contra Riesgos Sanitarios), Mexico's federal regulatory agency for health and medical oversight.