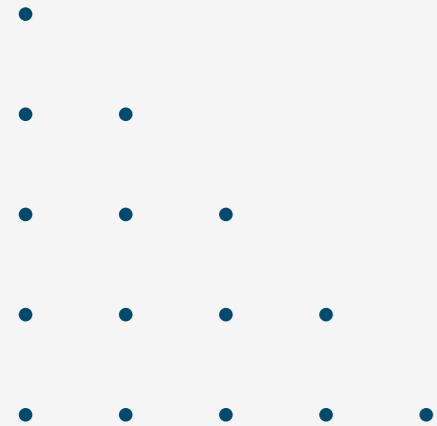




medisync



In collaboration with **maxess**



# Ozone Therapy

## What is Medical Ozone?

Medical ozone is a mixture of oxygen and ozone in specific proportions. At Medisync, we use certified generators to produce mixtures with controlled concentrations, ensuring safe and effective treatments.

History of Ozone Therapy Ozone therapy has its roots in the late 19th and early 20th centuries. Since then, it has evolved, backed by medical research and applications.

We apply ozone therapy with a scientific approach and a commitment to patient safety. Therapeutic Basis Ozone therapy is a complementary treatment supported by more than 3000 scientific studies. We follow the prestigious Madrid protocol, guaranteeing a safe and effective therapy. It is important to emphasize that ozone therapy is complementary, not alternative, and must be administered by trained health professionals.

Mechanism of Action and Concentrations Ozone therapy acts as a redox bioregulator, offering therapeutic effects at low and medium doses. At Medisync, we use safe and effective concentrations, carefully adjusted according to the patient's needs.

Frequency of Treatment Frequency and duration of treatment vary according to the patient's condition. We tailor protocols to maximize benefits and deliver effective results.





# Ozone Therapy

**Therapeutic actions Antimicrobial action:** Ozone has been shown to have antimicrobial properties, which means that it can help fight bacteria, viruses and fungi. It is used in some situations to treat local or systemic infections.

**Improved oxygenation:** Ozone therapy may improve tissue oxygenation by increasing the release of oxygen from hemoglobin and improving blood flow. This is considered beneficial in conditions involving circulatory or oxygen supply problems.

**Immune system modulation:** It is suggested that ozone therapy may have immunomodulatory effects, meaning that it may help regulate and balance the immune system response. This has been explored in the context of autoimmune diseases.

**Reducing inflammation:** Ozone has been studied for its ability to reduce inflammation in certain chronic inflammatory disorders. This could help alleviate symptoms and improve quality of life in some patients.

**Stimulation of wound healing:** Ozone therapy has been proposed to accelerate the healing process of wounds and ulcers, possibly due to its antimicrobial properties and its ability to improve local oxygenation.

**Pain relief:** In some musculoskeletal and neurological conditions, ozone therapy has been used to help reduce pain and improve function.

# Mesenchymal Stem Cell Therapy (MSCT)

## What are Mesenchymal Stem Cells and how do they work?

Mesenchymal stem cells (MSCs) are multipotent cells with the unique ability to differentiate into various cell types, such as bone, cartilage and adipose cells.

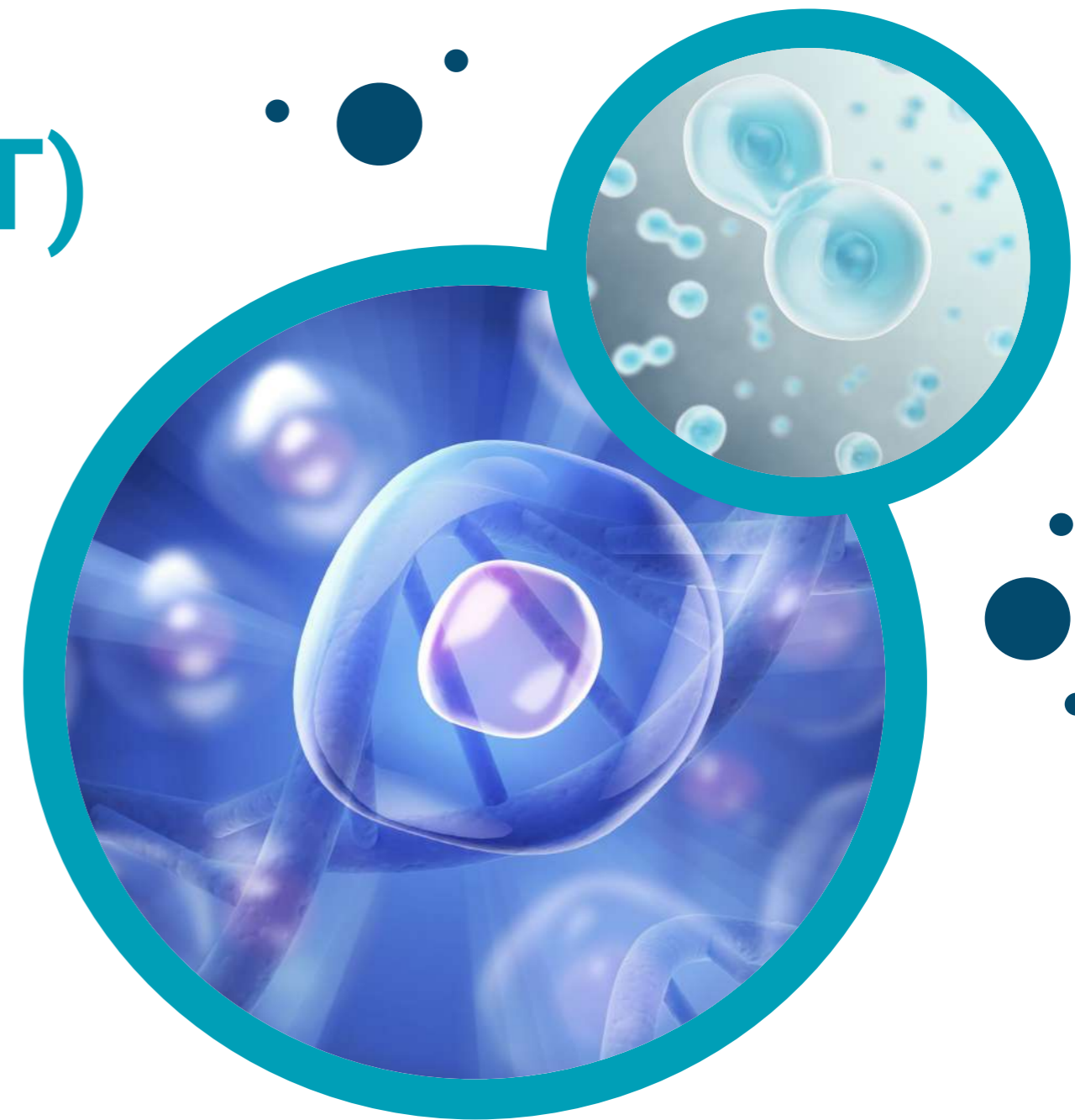
In addition to their differentiation capacity, MSCs have immunomodulatory and anti-inflammatory properties, making them valuable in regenerative therapies.

**History of MSCs:** Research on MSCs has intensified since the discovery of their ability to differentiate into different cell lineages. Over the past decades, significant progress has been made in understanding their properties and therapeutic potential in various medical conditions.

**Therapeutic Basis:** MSCs are used therapeutically due to their ability to regenerate tissues, modulate immune response and promote cellular repair. This approach is based on the ability of these cells to migrate to damaged areas and participate in tissue regeneration.

## Mechanism of Action:

**Tissue Regeneration:** MSCs can differentiate into specific cells of the damaged tissue, promoting regeneration and repair of affected structures. **Anti-inflammatory Effects:** MSCs secrete anti-inflammatory factors and modulate the immune response, reducing inflammation in the local environment and facilitating an environment conducive to healing.





# Mesenchymal Stem Cell Therapy (MSCT)

**Stimulation of Growth Factors:** TMSCs release growth factors that promote angiogenesis (formation of new blood vessels) and cell proliferation, contributing to the healing process.

**Frequency of Treatment:** The frequency and number of treatments with TMSCs vary depending on the clinical condition, severity of the disease and the individual patient's response. In some cases, multiple sessions may be required over time to maximize therapeutic benefits.

**Therapeutic Actions:** Hematopoietic and Skin Diseases: Regeneration of skin tissues in cases of chronic ulcers or difficult to heal wounds.

**Stimulation of hematopoiesis to address blood disorders, such as anemias. Blood Diseases:** Supporting blood cell production, benefiting patients with anemia and hematological disorders.

**Musculoskeletal Diseases:** Repair and regeneration of muscle and joint tissues, relieving pain and improving mobility.

**Endocrine Diseases:** Stimulation of endocrine tissue regeneration, improving hormonal and metabolic function.

**Infectious Diseases:** Potential antimicrobial action and modulation of the immune system, contributing to the response against infections.

**Nervous System Diseases:** CMTMs are being investigated for their application in neurodegenerative diseases, such as Alzheimer's and Parkinson's.

**Special Considerations: \*Autoimmune Diseases:** CMTMs can modulate the autoimmune response and promote immune tolerance, benefiting patients with autoimmune diseases such as rheumatoid arthritis and lupus.



# Medical Director

## Dr. Eduardo Carlos José Padilla Escalante

**Founder and Director** of the "Imaxess" imaging center for 35 years. Radiologist graduated from the UABC with several academic awards. Specialty and service at the "La Raza" International Medical Center. Recertification by the Mexican College of Radiology.

### Certification in Regenerative Medicine and Stem Cells.

In the process of certification by USLME (USA) <https://www.usmle.org/about-usmle>  
Professor at the Autonomous University of Baja California (UABC).

Distinguished speaker in national and international forums.

Annual participant in medical congresses.

Entrepreneur and visionary of **medical trends**.

Dedicated collaborator with humanitarian institutions (currently active project with the UN).



With more 35 years experience and internationally recognized clinicians is imaging and regenerative medicine.  
**Our hole is focused on maintaining your health and productivity.**



Cédula UABC 1516413

# Contact info:

## For more information:

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use: <https://meetings.hubspot.com/francisco298>