

## USE OF EXOSOMES DERIVED FROM MESENCHYMAL STROMAL CELLS IN THE TREATMENT OF RHEUMATOID ARTHRITIS

Rheumatoid arthritis is a chronic disease that occurs when the immune system attacks its own tissues, causing inflammation of the joints.

- Mesenchymal Stromal Cells (MSC) have an important capacity to regulate the immune system and stop the inflammatory process.
- It has been shown that these cells can exert therapeutic effects through the release of exosomes. Exosomes contain bioactive molecules with multiple therapeutic actions.
- MSC exosomes manage to reprogram damaged tissue cells towards an anti-inflammatory profile.

- miR-29a-3p, miR-93-5p and TGF-B are some of the anti-inflammatory compounds found in exosomes.

If you suffer from Rheumatoid Arthritis or any of its complications, at Red Exocel we are here to help you.

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