



Osteoarthritis & Stem Cell Therapy

WHAT IS OSTEOARTHRITIS (OA)?

Osteoarthritis is a condition where the **cartilage within a joint begins to break down** and the underlying bone begins to change. Osteoarthritis is the most common type of arthritis and occurs most frequently in the knees and hips.

Once cartilage in the joint is lost, the goal is to rebuild the cartilage so that the joint has the protection it needs. There are not many therapies that can help regenerate cartilage besides **Stem Cell Therapy**.

WHAT IS STEM CELL THERAPY?

Stem cell therapy is a form of regenerative medicine that helps to restore natural function to damaged cells and tissues. At Physical Chiropractic, we use **Mesenchymal Stem Cells (MSCs)**, which are multipotent, undifferentiated cells that have the **ability to self-renew** and develop into multiple cell types.

HOW DOES IT WORK?

After the MSCs are injected into the damage tissue, they release their cell contents which contain bioactive molecules known as cytokines. These biomolecules act as signalers and start the cascade of DNA synthesis, mitosis and cell repair. They also make the cellular microenvironment much more favorable for the existing cells to begin tissue regeneration.

GIVE US A CALL AT 813-207-5027 TO SCHEDULE

AN APPOINTMENT

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