



SPINE, ORTHO & BIOLOGICAL COMPANY

REGENERATIVE MEDICINE: APPLICATION CRITERIA

AGE

It is scientifically proven that age is the primary factor to consider when selecting an orthobiologic treatment. Up to the age of 50, the body has a certain capacity for self-healing, and autologous therapies can have a concrete effect in slowing down or halting degenerative conditions, as well as in providing immediate relief from painful symptoms.

After the age of 55, the body's self-healing capacity significantly decreases, and these treatments should be used for pain relief or to delay major interventions for short periods. When dealing with meniscal injuries or chronic inflammatory conditions, the patient's age becomes secondary to the actual state of the pathology.

LIFESTYLE AND FUNCTIONAL DEMAND

A patient who leads an active lifestyle and/or shows strong determination to resolve their condition in order to return quickly to their usual life—such as sporting activities—will undoubtedly achieve better results. This evaluation should guide the clinician toward selecting the most effective available therapy.

A sedentary patient who does not express specific functional goals is often a less motivated individual who needs to be managed progressively, both in terms of treatments and expectations.



OSTEOCARTILAGINOUS LESIONS-ARTHROSIS

I°- II°

Hyaluronic acid + recombinant collagen

II°- III°

Purified adipose tissue

III°- IV°

Osteochondral graft

TENDON-LIGAMENTOUS INJURIES

I°- II° Nonsurgical

MNC from peripheral blood

II°- III°

MNC from peripheral blood + surgical repair

TENDINOPATHIES - INFLAMMATORY JOINT DISEASES

BEGINNERS

Low molecular weight hyaluronic acid + collagen recombinaⁿt

MODERATE

PRP + leukocytes

SEVERE/CHRONIC

MNC from peripheral blood

SPINAL PATHOLOGIES

LOMBALGIA

Low molecular weight hyaluronic acid + collagen recombinaⁿt

LUMBOSCIATICA - CERVICOBRA^CALGIA

MNC from peripheral blood

STENOSIS - DISC PROTUSION

Surgical removal + Purified adipose tissue

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