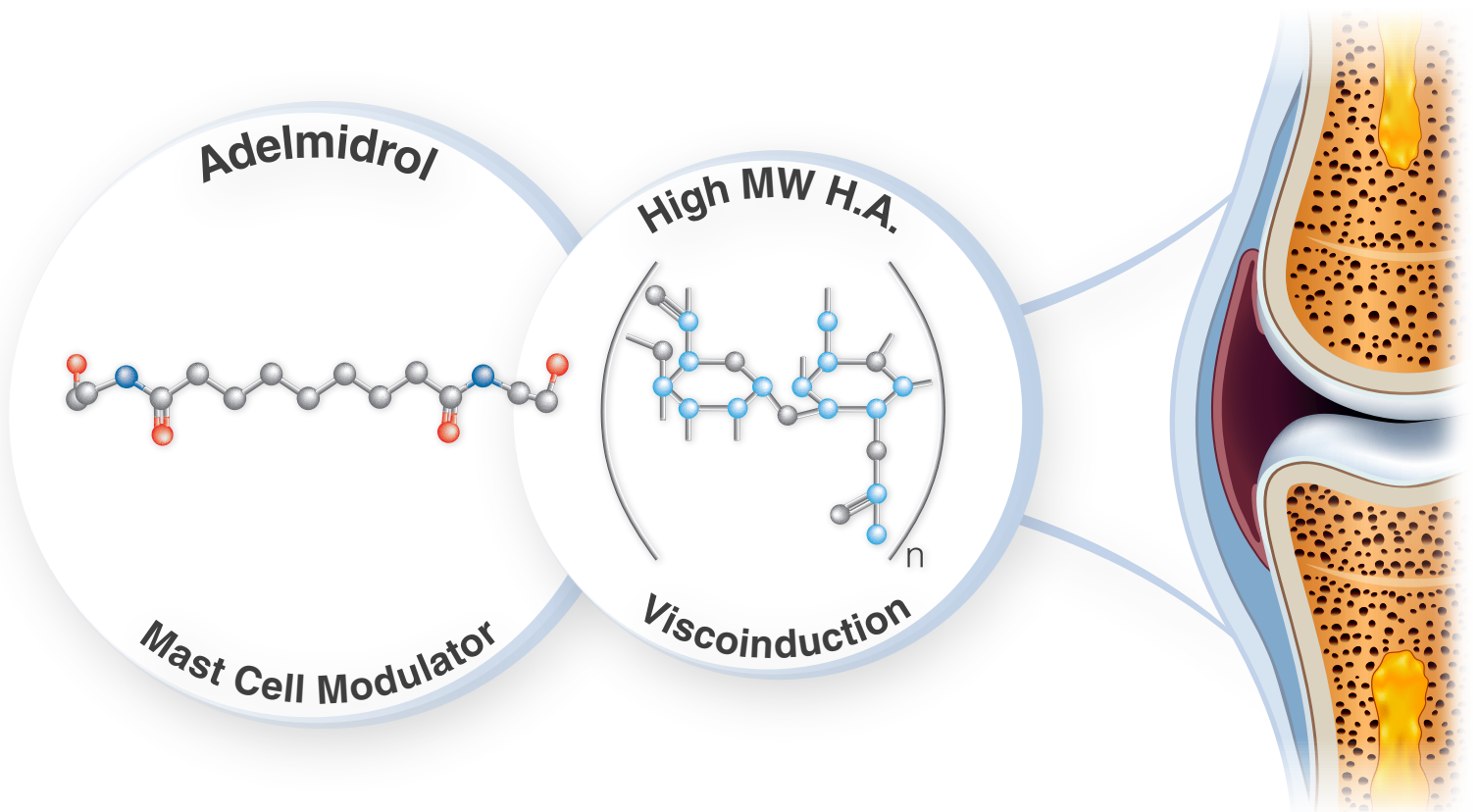


# hyadrol<sup>®</sup>

A new therapeutic option for the patient with **Gonarthrosis**

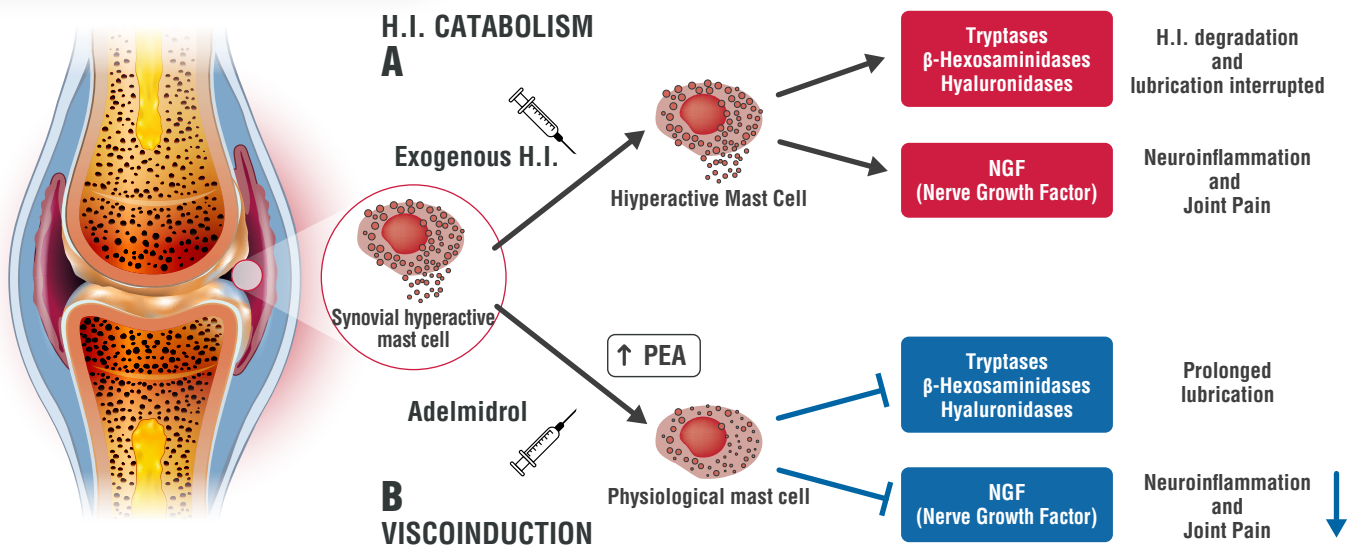


hyadrol<sup>®</sup> maintains statistically significant satisfactory clinical results at 6 months, 1 year and 2 years after the fourth infiltration <sup>(1)</sup>

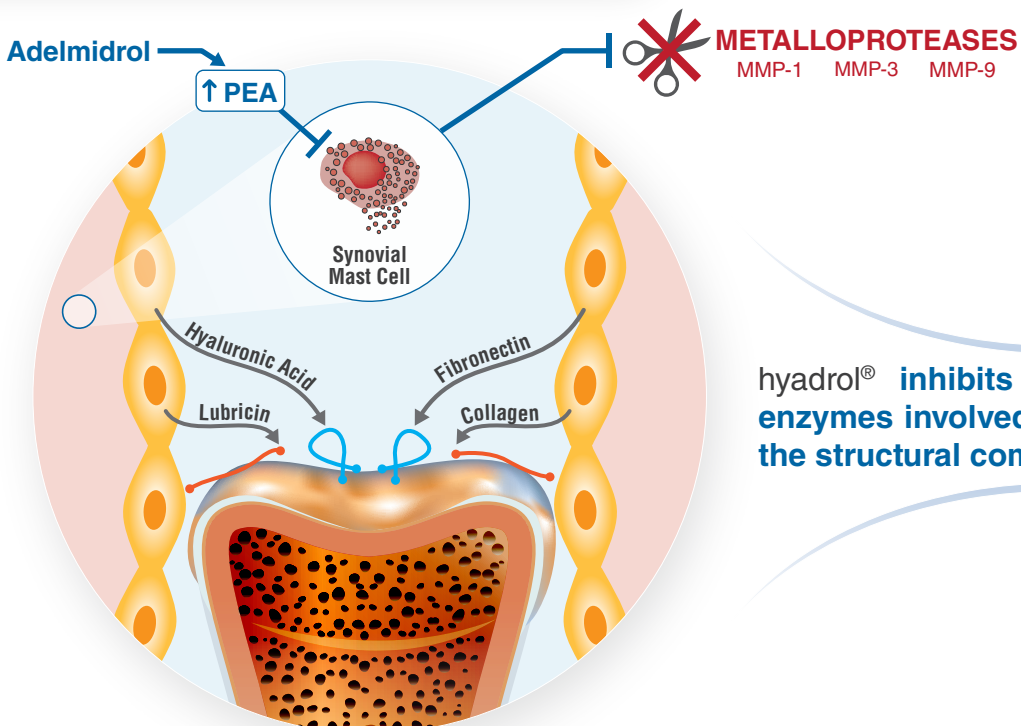
# hyadrol<sup>®</sup>

Adelmidrol 2% + Hyaluronic Acid 1%  
high molecular weight

## Mechanism of action<sup>(2)</sup>



## Effects on cartilage metabolism<sup>(3)</sup>



hyadrol<sup>®</sup> inhibits the release of lytic enzymes involved in the degradation of the structural components of cartilage.

# Long-term results of the treatment of gonarthrosis with hyadrol® intra-articular infiltrations (1)

## Aim of the study

To verify after 6 months, 1 year and 2 years the positive effects of a cycle of 4 intra-articular hyadrol® infiltrations performed weekly.

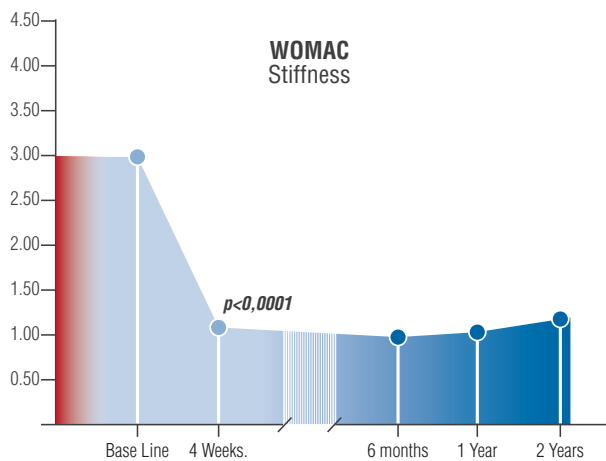
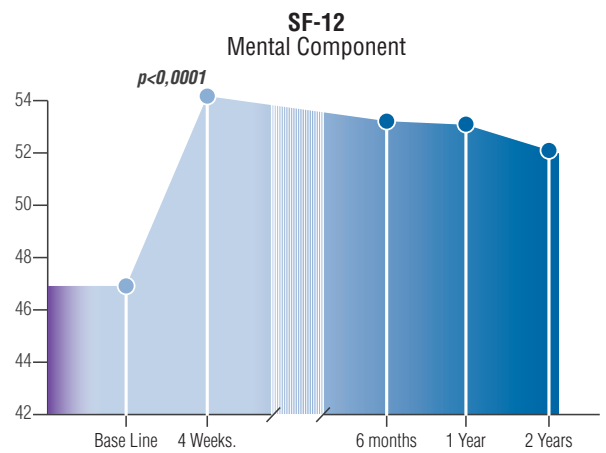
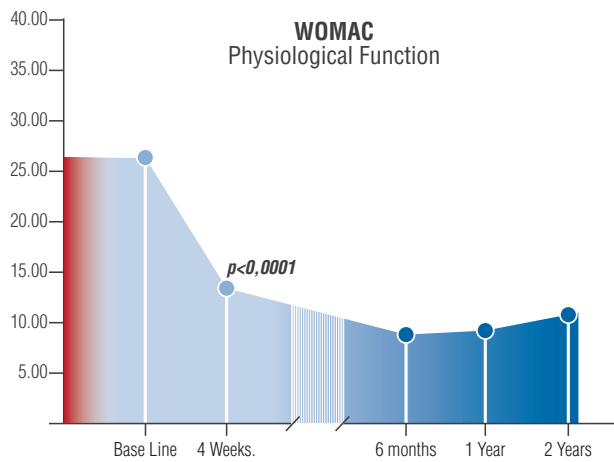
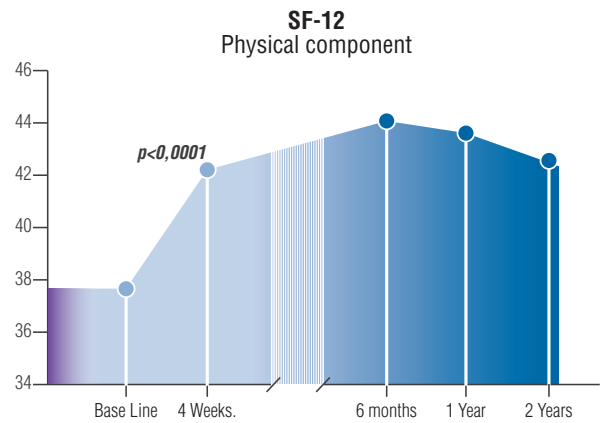
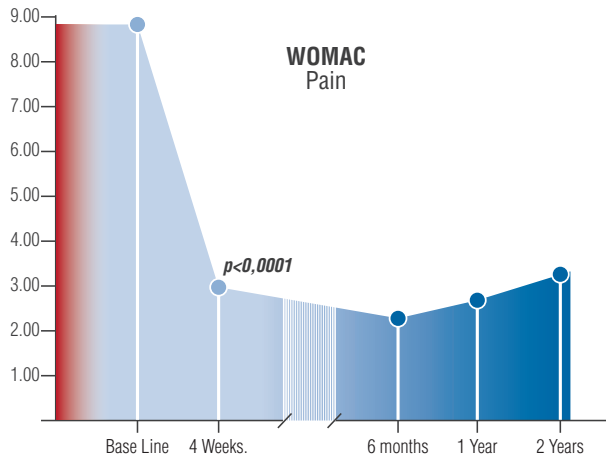
## Patients

47 patients with Kellgren and Lawrence grade II-III gonarthrosis.

Reworked data: Vulpiani et al., 2021; 47:169-179; doi: 10.32050/0390-0134-315 | Vulpiani et al., 2022; 48:100-106; doi: 10.32050/0390-0134-389. *Giornale Italiano di Ortopedia e Traumatologia*

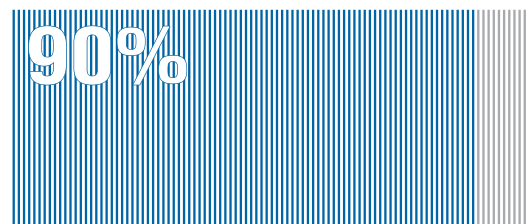
● Period of treatment with hyadrol

● Period of follow up (6 months, 1 year, 2 years)



**PGIC**  
(Patient Global Impression of Change)

90% of patients reported an improvement (4)





## Sterile single-use Medical Device for intra-articular injection

Pre-loaded Syringe 2ml

**hyadrol®** is a combination of **Adelmidrol 40 mg (2%)** and **Hyaluronic acid 20 mg (1%)**  
*high molecular weight*

Adelmidrol is able to favour, locally, the recovery of endogenous Palmitoylethanolamide physiological level in the synovial liquid, counteracting the mast cell hyperreactivity and related neuro-immune-inflammatory processes.

The device contains a high molecular weight Hyaluronic acid epitope (ranging between 1,3 and 2,0 x 10<sup>6</sup> Dalton) suitable for determining bioadhesion and viscoinduction, and is produced via microbial fermentation; the synthesis occurs in absence of protein matrices and purified of any proteic fractions, to avoid every immune reactions.

**INTENDED USE:** or the treatment of joint capsule dysmetabolism associated with degenerative arthropathies, with special reference to:

- **Gonarthrosis**
- **Knee Rheumatoid Arthritis**

**USE:** 1 intra-articular injection every 7 days for 3-4 weeks, unless otherwise specified by a doctor. Use an appropriately sized sterile needle (from 19 G to 21 G). hyadrol® it can only be administered by qualified medical staff, in adequate environmental conditions and according to the technical standards required in case of intra-articular injections.

**INSTRUCTIONS:** special care must be taken in patients with ongoing infections in areas close to the injection sites, to avoid bacterial arthritis onset. In acute phases with abundant intra-articular effusion, it is recommended to reduce the effusion by evacuative arthrocentesis and, at the same time, proceed with the intra-articular injection of hyadrol®. It is recommended not to subject the joint to excessive load in the hours immediately following the injection.

**PREGNANCY AND LACTATION:** no teratogenic phenomena are known. However, it is recommended not to use the device during pregnancy and lactation, unless otherwise judged by a doctor.

1. Vulpiani MC, Vetrano M, Trischitta D, Santoboni F, Nusca SM, Latini E, Ippolito E. Risultati a lungo termine del trattamento della gonartrosi mediante infiltrazioni intra-articolari di Hyadrol®. *Giornale Italiano di Ortopedia e Traumatologia* 2022.
2. Guida F, Rocco M, Luongo L, Persiani P, Vulpiani MC, Nusca SM, Maione S, Coluzzi F. Targeting neuroinflammation in osteoarthritis with intra-articular Adelmidrol. *Biomolecules* 2022.
3. Di Paola R, Fusco R, Impellizzeri D, Cordaro M, Britti D, Morittu VM, Evangelista M, Cuzzocrea S. Adelmidrol, in combination with hyaluronic acid, displays increased anti-inflammatory and analgesic effects against monosodium iodoacetate-induced osteoarthritis in rats. *Arthritis Res Ther.* 2016.
4. Vulpiani MC, Tucciarone A, Vetrano M, Trischitta D, Santoboni F, Nusca SM, Godente L, Latini E, Ippolito E. Il trattamento della gonartrosi mediante infiltrazioni intra-articolari con un'associazione di acido ialuronico e Adelmidrol (Hyadrol®). *Giornale Italiano di Ortopedia e Traumatologia* 2021.

EPITECH Group SpA

Unità Operativa:  
Via Einaudi, 13  
35030 Saccolongo PD  
ITALY  
Tel. +39 049 8016784  
Fax +39 049 8016759

Sede legale:  
Via Egadi, 7  
20144 Milano  
ITALY  
P.I. 03630550287  
www.epitech.it

