manufactured by BioPolymer

CRESPINE® GEL+

COMPOSITION

Each 1 ml of Crespine Gel + contains:

Sodium Hyaluronate cross-linked	**14.0 mg**
Sodium Hyaluronate	**1.0 mg**
Prilocaine HCl	**3.0 mg**



TECHNOLOGY THAT SETS **NEW STANDARDS**

Crespine Gel + is a double cross-linked, stabilized hyaluronic acid. The cross linking is a process that ensures the body breaks down **Crespine Gel +** slowly, resulting in a long lasting effect.

STEP 1 Hyaluronic acid is synthesized from non-animal sources

STEP 2 The first cross-linking of the hyaluronic acid solution is completed

STEP 3 Washing and stabilization of the hyaluronic acid gel takes place

STEP 4 The second cross-linking is completed, with the addition of hyaluronic acid coil-linked solution. This is followed by terminal purification.

SINGLE INJECTION TREATMENT	VS	MULTIPLE INJECTION TREATMENT
One clinic visit		Multiple follow-up visits
Reduced risk of infection		Higher risk of infection
Cost effective		Higher cost
Better patient compliance		Poor patient compliance

BioPolymer GmbH

BioPolymer GmbH & Co KG
Walsmühler Strasse 18
D-19073 Dümmer
Tel: +49 (0) 2602 83868-0
Fax: +49 (0) 2602 83868-20

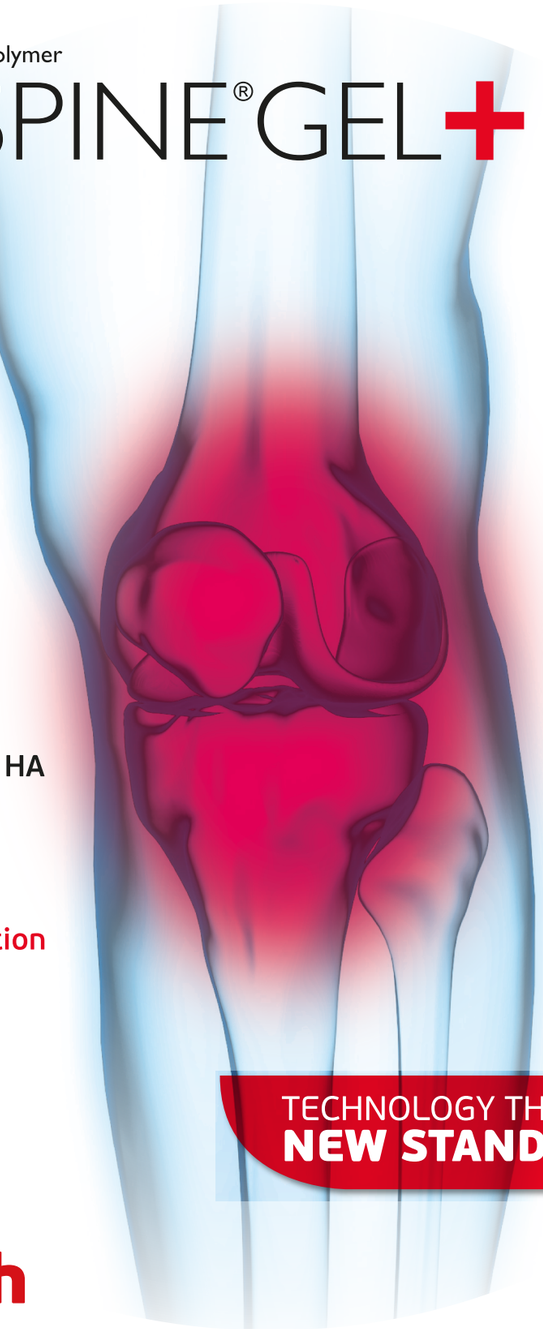
Elaf Medical Supplies
ايـلاف للتجهيزات الطبية

EMEA Headquarters
P.O.Box 1348 Amman 11941 Jordan
Tel. +962 (06) 5549896
Fax +962 (06) 5549897
www.elaf-me.com

manufactured by BioPolymer

CRESPINE® GEL+

- Single injection
- Good tolerability
- Cost-effective
- Long-lasting relief
- Delays the need for surgery
- Double cross-linked Stabilized HA
- Non-animal origin
- EU Registered patent to Biopolymer GmbH as first worldwide intraarticular injection device composed of HA and Prilocaine



Breakthrough

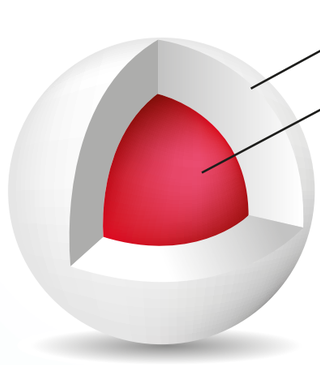
Technology For The Treatment Of Osteoarthritis

OPTIMALLY USED IN THE
EARLY STAGES
OF OSTEOARTHRITIS

Crespine Gel + is an interarticular hyaluronic acid injection, indicated for the treatment of patients suffering from osteoarthritis pain.

- Recommended for patients with mild to moderate osteoarthritis
- Ideal treatment for patients who can't tolerate the long term use, or suffer allergic reaction to NSAIDs or other pain relief medications
- Site specific, local treatment, ready for use preparation, injected directly to the osteoarthritic joint space at the doctor's clinic within few minutes.





3D imaging under ESM (electron scanning microscope) of **Crespine Gel +** shows a clear outer layer that is in contact with the surrounding physiological fluids, and an inner core that is protected, which can explain the efficacy of the product in vivo:

- Outer core provides the HA to the joint
- Inner core acts as a reservoir protected from enzymatic action on HA strands, thus extending the effect in physiological environment.

THE CRESPINE GEL+
ADVANTAGE

SINGLE INJECTION

Crespine Gel + is a single injection treatment that takes only few minutes to administer and lasts for 12 months. This reduces the risk of infection and increases patient compliance and joint lubrication.

NO SIDE-EFFECTS

To date Crespine Gel + have shown good tolerability with its use.

COST EFFECTIVE

Crespine Gel + requires only a single injection to achieve effectivness. This makes it more affordable for patients and more cost-effective for healthcare providers.

BIOCOMPATIBLE

Hyaluronic acid is a naturally-occurring substance in the body that is an important component of articular cartilage.

NON-ANIMAL ORIGIN

Crespine Gel + is a hyaluronan-based intraarticular injection that is not derived from animal sources. This removes ethical concerns and eliminates the danger of allergic reactions.

DELAYS THE NEED FOR SURGERY

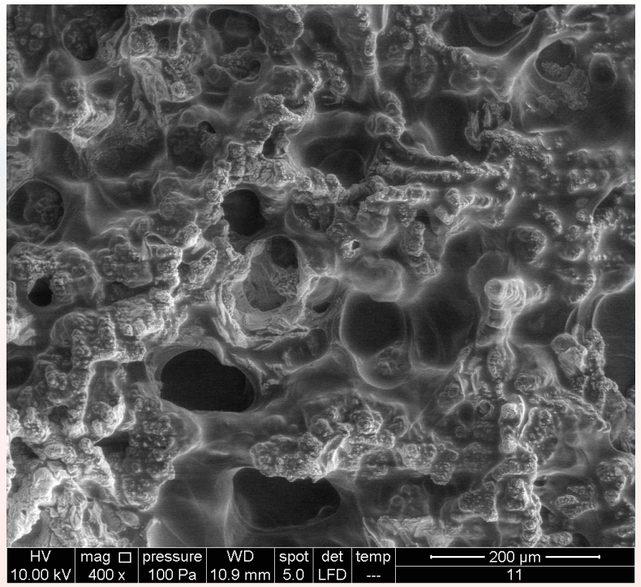
In cases of osteoarthritis the goal is to reduce pain in the first instance and at second stage to undertake further countermeasures to maintain joint function. To use Crespine Gel+ is therefore the first step to maintain the natural function of the joints as long as possible.

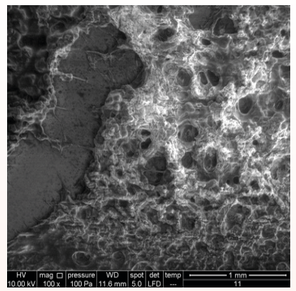
HA AND PRILOCAINE COMBINATION

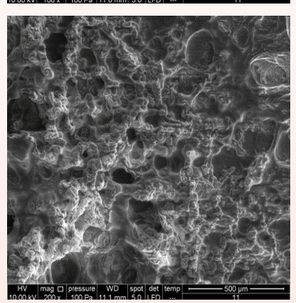
Patented world first medical device with HA and Prilocaine.

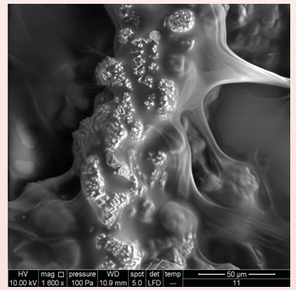
Patent registered with EUIPO (no. 009258385) until 2030.

Prilocaine is incorporated in the cross linked formula of the hyaluronic acid.









The microscopic print of HA, is the result from modifications made on the HA molecule during the manufacturing process which can affect the final products cellular, biological, and clinical functions.

Images of HA in Crespine Gel Plus taken using scanning electron microscope shows how the surface minimizes the exposure to physiological environment at the injection site providing it unique effectiveness and long duration of action.

Crespine Gel + © is a certified product under the essential requirements of Annex I of the Council Directive 93/42/EEC.
Crespine Gel + HA-Prilocaine complex is patent registered to Biopolymer GmbH with EUIPO (no. 009258385) until 2030.

Al-Khateeb R, Prpic J, Eliezer M (2021) Hyaluronic Acid Unique Identification Prints in Perspective of its 3D Microscopical Structure as a Carbohydrate Hydrogel with Various Physiochemical and Biological Functions. Archives Oral Maxillofac Surg 4(1):105-117