



Product: ORTHOFLEX gel®

Composition: Hyaluronic acid, Chondroitin sulfate, N-acetyl glucosamine

Indication: osteoarthritis, post-arthroscopy pain, following meniscus repair and previous crossed ligament reconstruction, auxiliary treatment for osteochondral defects

Concentration: Hyaluronic acid - 36mg/2,25ml
Chondroitin sulfate - 67,5mg/2,25ml
N-acetyl glucosamine - 6.75mg/2,25 ml

Treatment: 1 injection per treatment

Molecular weight: 3 MilDa

Effect: cartilage repair, mobility improvement, pain relief

Packaging: 2,25 ml prefilled syringe in medical blister

Sterilization: autoclave

Technology: biofermentation

Shelf life: 2 years

Storage: between +2°C and +25°C

ORTHOFLEX gel® is produced according to Good Manufacturing Practice (GMP) and ISO13485, being certified as a system with high quality ingredients, CE marked medical device and being in accordance with the European Directive 93/42/EE.

Storage: Store at 2- 25 degrees C, in the original package and do not freeze.

Thank you for using ORTHOFLEX gel® to prevent complications, which might lead to surgical interventions and psycho-emotional trauma.

LOVE YOUR JOINTS!
WE CANNOT IGNORE PAIN!
WHY HURT WHEN YOU CAN PREVENT IT?



DISCOVER
 THE NEW PRODUCT CONTAINING
ESSENTIAL ELEMENTS
 OF THE NATURAL ARTICULAR CARTILAGE

CROSS-LINKED
HYALURONIC ACID
CHONDROITIN SULFATE
GLUCOSAMINE

ORTHOFLEX gel

INTRA ARTICULAR INJECTION FOR THE TREATMENT OF OSTEOARTHRITIS
 NEW INNOVATIVE THERAPY FOR REGENERATION OF ARTICULAR CARTILAGE
SINGLE INJECTION PER TREATMENT

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What is ORTHOFLEX gel?

ORTHO FLEX gel® is a bio-matrix in the form of a sterile, viscoelastic solution, consisting of a combination of highly purified cross-linked biopolymers: hyaluronic acid, chondroitin sulfate and n-acetylglucosamine.

ORTHO FLEX gel® is an intra-articular injectable viscoelastic gel, used for treating osteoarthritis and it comes in a prefilled, single dose syringe.

ORTHO FLEX gel® is very similar to the synovial fluid, a substance that occurs naturally in the joints, where it acts as a lubricant and shock absorber.

ORTHO FLEX gel® contains:

- **hyaluronic acid: 36 mg / 2,25 ml,**
- **chondroitin sulfate: 67,5 mg / 2,25 ml**
- **glucosamine 67,5 mg / 2,25 ml.**

The high molecular weight of the gel (3,0 milDA) guarantees its excellent efficiency and a strong therapeutic effect.

**HYALURONIC ACID +
CHONDROITIN SULFATE +
GLUCOSAMINE**

Much more effective when used together!



How does it work?

Hyaluronic acid is a major component of the synovial fluid and cartilage and is responsible for the lubrication and cushioning in joints, providing mechanical support.

Chondroitin Sulfate is a molecule that occurs naturally in the body. It is an important component of cartilage - the tough connective tissue that cushions the joints.

Chondroitin sulfate delivers nutrients to the joint cartilage. The body needs nourishment to heal and repair itself and Chondroitin Sulfate has been proven to provide the body with the building blocks for producing new cartilage, therefore stimulating the growth of new joint cartilage.

It can also block the enzymes that degrade cartilage and inhibits pro inflammatory factors secretion.

The elasticity and plasticity, which are the functions of the joint cartilage, can be maintained through the use of Chondroitin Sulfate.

Glucosamine plays a vital role in building and repairing cartilage.

One of the primary physiological roles of Glucosamine is in the joints, where it stimulates the manufacture of glycosaminoglycans (GAGs) and other key structural components of cartilage. Glucosamine is now considered an essential substance for maintaining healthy joints.

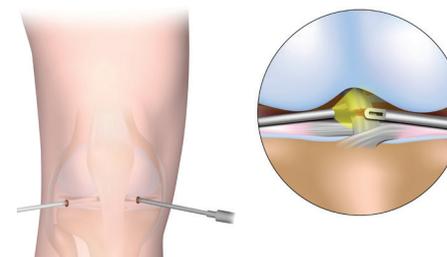
Studies have shown that Glucosamine and Chondroitin complement each other in inhibiting the production of inflammatory cells.

What are the indications?

ORTHO FLEX gel® is a product for viscose supplementation, which is a safe, efficient and well established treatment in osteoarthritis. The treatment consists of injecting a hyaluronic acid, chondroitin sulfate and glucosamine based solution into the affected synovial joint.

ORTHO FLEX gel® acts as a supplement and a temporary replacement for synovial fluid. It protects the cartilage and it treats the pain and the restricted mobility and elasticity that follow traumatic pathology in the knee joint and other synovial joints.

ORTHO FLEX gel® is a solution for joint recovery after arthroscopy. By replacing the synovial fluid post-arthroscopy it will prevent post-operative complications.



It is also indicated for:

- reducing pain after arthroscopy,
- meniscus repair,
- previous crossed ligament reconstruction
- as an auxiliary treatment for patients with osteochondral defects.

What is the treatment?

ORTHO FLEX gel® must be administered strictly intra-articular, twice a year, every 6 months, according to the doctor's recommendations.

Any joint effusion present should be removed by joint aspiration, before injecting **ORTHO FLEX gel®**.

After the injection, an articular rest of approximately 24 hours is recommended (no strenuous exercise), in order to augment the duration of the effect. General rest and applying ice to the injected joint are helpful.



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