### HIGH MOLECULAR WEIGHT

# SHOCK **ABSORBER**



## **Used to prevent pain and** motion limitation caused by osteoarthritis for all synovial joints

### Reviscon 20 mg

The ideal concentration for OA treatment

**20 mg HA (1.0%)** in 2 ml solution **3-5 injections** with one week intervals Bacterial fermentation 3.0 M Da molecular weight 35,000 mPa.s viscosity



### **Reviscon Plus 32 mg**

To meet the highest expectations with a medium concentration of sodium hyaluronate

**32 mg HA (1.6%)** in 2 ml solution **1-3 injections** with one week intervals Bacterial fermentation 3.0 M Da molecular weight 250,000 mPa.s viscosity



# **STRUCTURED NaHA Pattern**

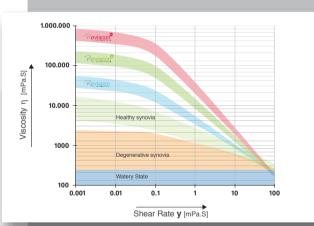


### **VISCOSITY**

### **MOLECULAR WEIGHT**

# **CONCENTRATION**

### **Excellent Rheological** Pattern



Excellent rheological profile is designed for greater zero shear viscosity resulting in efficient pain relief and dynamic elasticity at higher shear rates for enduring mobility.

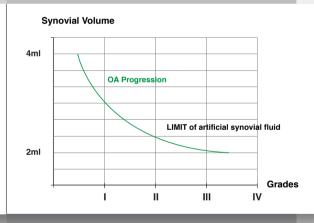
### One of the highest molecular weight



Reviscon Line contains one of the highest molecular weight of sodium hyaluronate with unique cohesive energy characteristics. With longer chain of HA Reviscon Line Provides: - Better shock absorbtion

- High lubrication
- Long-lasting efficiency

### Well designed concentrations



Reviscon Line offers a range with 2.0 ml and 2.4 ml solutions. - No pressure in the joint - No side effects or swelling

Reviscon Line provides high impact on optimum volume



1 injection

6 months

Bacterial fermentation

3.0 M Da molecular weight

Preservation free

900,000 mPa.s viscosity

**Reviscon Mono 48 mg** 

efficiency by single injection

**48 mg HA (2.0%)** in 2.4 ml solution

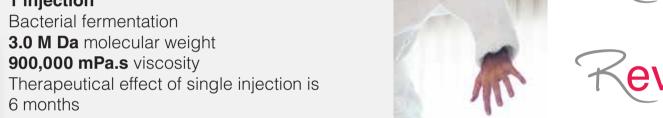
**Excellent high viscosity for long-lasting** 

## with STRUCTURED NaHA PATTERN











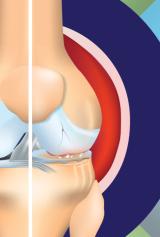
# The Solution For Multiple Requirements

Helps to increase the impaired viscosity and lubrication properties of joint fluid. (1,2)

Helps to increase cartilage flexibility and endurance against

Helps in rebuilding the synovial membran by the contribution hyaluronic acid. (4)

Helps to inhibit the free oxygen radicals and



Helps in absorption of mechanical shocks by forming a protective membrane and joint

Helps to decrease joint

fluid production acid on synovial tissue.<sup>(4</sup>

Reviscon 1.0%, 20 mg

synovial fluid.

Properties and efficacy:

intra-articular injections.

Reviscon 1.0% viscoelastic sodium hyaluronate solution for intra-articular injection.

Each product consists of 2.0 ml of viscoelastic solution in a single-use glass syringe for intra-articular use.

Reviscon is sterile, non-pyrogenic, clear, non-inflammatory, highly

purified sodium hyaluronate of high molecular weight, dissolved in

Reviscon is a product for the relief of the pain and stiffness of the

and traumatic changes to the synovial joint. Reviscon has a pH of

knee joint and other synovial joints in patients with degenerative

6.8 to 7.6 and osmolality of 300 to 350 mOsm/kg, similar to the

All synovial joints especially the weight -bearing joints, contain

viscoelastic sodium hyaluronate. This substance has lubrication

disease (osteoarthritis), the viscoelasticity of the synovial fluid is

significantly impaired, causing the mechanical stress on the joint

administration of high purity sodium hyaluronate, which has very

product reduce pain and improve joint mobility. This effect may

Reviscon is indicated for the treatment of pain in osteoarthritis

(OA) of the knee in patients who have failed to respond adequately to conservative non-pharmacological therapy and

simple analgesics (e.g. acetaminophen(paracetamol)).

Do not administer to patients with known hypersensitivity to

2 Do not reuse

Do not resterilize

STERBLE | Sterilized using steam (Product)

Consult instructions for use

hyaluronate preparations. Intra-articular injections are contraindicated in cases of present infections or skin diseases in

good viscoelastic properties, can improve the quality of the joint's

lubrication. The lubrication and shock absorbing properties of this

last for several months following recommended treatment cycle of

and the breakdown of the articular cartilage to greatly increase

resulting in limited and painful joint movement. Intraarticular

and shock absorbing properties, allowing these joints to move

normally and painlessly. In patients with degenerative joint

a buffered physiological saline solution. The highly-purified

sodium hyaluronate is obtained from bacteria by fermentation.

- 1.0 ml of Reviscon 1.0% contains 10.0 mg sodium hyaluronate, sodium chloride, disodium hydrogen phosphate, sodium dihydrogen phosphate and water for injection.

### Reviscon Plus 1.6%, 32 mg

Reviscon Plus 1.6% viscoelastic sodium hvaluronate solution for

Each product consists of 2.0 ml of viscoelastic solution in single-use glass syringe for intra-articular use.

1.0 ml of Reviscon Plus 1.6% contains 16.0 mg sodium hyaluronate, sodium chloride, disodium hydrogen phosphate, sodium dihydrogen phosphate and water for injection.

### Reviscon Mono 2.0%, 48 mg

Reviscon Mono 2.0% viscoelastic sodium hyaluronate solution for intra-articular injection.

Each product consists of 2.4 ml of viscoelastic solution in a single-use glass syringe for intra-articular use.

- 1.0 ml of Reviscon Mono 2.0 % contains 20.0 mg sodium hyaluronate, sodium chloride, disodium hydrogen phosphate, sodium dihydrogen phosphate and water for injection.

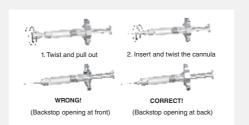
### the area of the injection site to reduce the potential for developing

Sodium hyaluronate is incompatible with quaternary ammonium compounds such as benzalkonium chloride solutions. Therefore, Reviscon pre-filled syringes must never come into contact with surgical instruments rinsed with these solutions.

Interaction with other agents:

FOR INTRAARTICULAR INJECTION, FOR SINGLE USE ONLY.

Reviscon should only be used by a physician for intra-articular injection. Use an appropriate size of the needle (19 to 20 gauge is recommended) and length of the needle depending on the joint to be treated. The administration periods vary due to the concentration of products. Multiple joints may be treated simultaneously and treatment cycles may be repeated. In order to avoid intra-articular infection strict aseptic injection technique has to be applied. It is recommended that an ice-pack be placed on the joint undergoing treatment for 5-10 minutes in order to prevent pain and swelling. In the case of effusion accompanied by severe pain the fluid must be removed from the affected joint.



Store Reviscon between 2°C and 25°C. Protect from light and

Following the use Reviscon, patients may experience local symptoms in the joint being treated (pain, sensation of heat, reddening and swelling). The following adverse events have been reported for similar products: mild or moderate arthralgia, in rare cases skin rash, aseptic joint effusions, pruritus and muscular cramps. Further adverse events that have been observed in very rare cases are: allergic reactions, anaphylactic shock, hemarthrosis, phlebitis, pseudosepsis, severe acute inflammatory reaction (SAIR), nasopharyngitis, joint stiffness, tendonitis, bursitis, fever and myalgia.

### Warnings and Precautions:

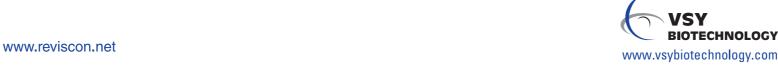
- Reviscon is intended for single use only. The reuse of the product creates a potential infection risk for patients or users. - Sodium hyaluronate is manufactured by bacterial fermentation and rigorously purified. However the physician should consider the immunological and other potential risks that can be associated with the injection of any biological material.
- Do not reuse syringe. Any repeat usage of the syringe carries a risk of contamination and infection of the patient. - Do not re-sterilize the pre-filled syringe. Performance will be
- Do not use if package is damaged or opened.
- Do not use after the expiry date printed on the pack. - In order to avoid overuse of treated joints patients should be
- advised to relative rest (but no immobilisation) for 24h after each - Dispose of the syringe and cannula in accordance with accepted medical practice and applicable national, local and
- institutional requirements. - There is no evidence concerning the safety of Reviscon in human pregnancy, lactation and the children under 18 years of age. Administration

### during pregnancy and lactation is at the discretion of the doctor.

Caution ※ Keep away from sunlight \* Keep dry Do not use if package is damaged

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# High molecular weight NaHA Line

