

Reviscon
Sodium Hyaluronate

Pain Relief Treatment for
Increased Functionality

 **VSY**
BIOTECHNOLOGY



Reviscon
Reviscon Plus
Reviscon Mono

INTRA-ARTICULAR INJECTION LINE

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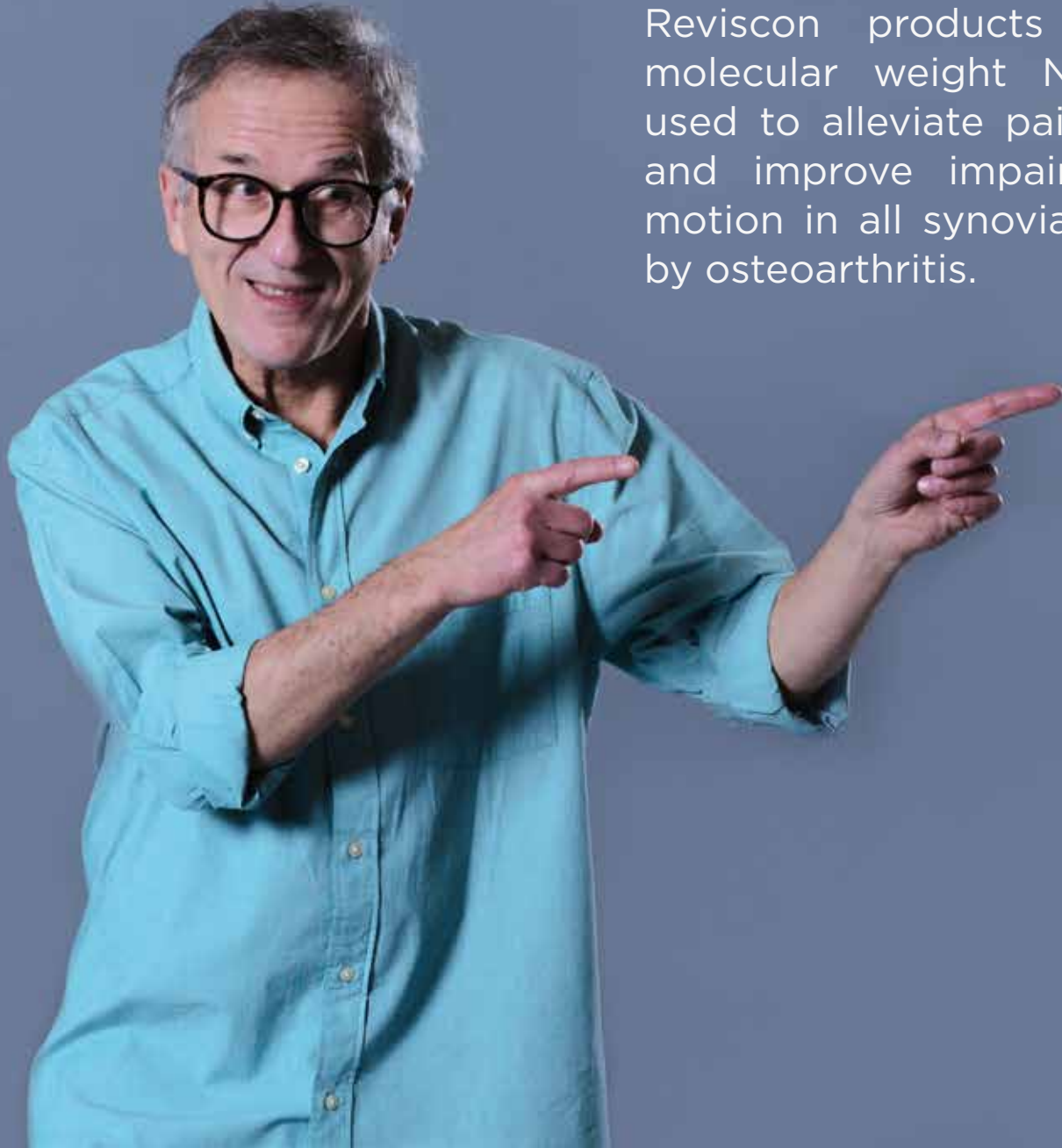
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Reviscon
Sodium Hyaluronate

INTRA-ARTICULAR INJECTION LINE





Reviscon products contain high molecular weight NaHA that are used to alleviate pain and stiffness and improve impaired or limited motion in all synovial joints caused by osteoarthritis.

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INTRA-ARTICULAR INJECTION LINE



What is Osteoarthritis (OA)?

Osteoarthritis (OA) is a degenerative non inflammatory, and progressive joint disease characterized by cartilage destruction and synovial inflammation. It is the most common form of arthritis that generally affects the elderly population worldwide.

Cartilage is a firm, yet elastic material that covers the surface of the bones in the joints. The cartilage acts as a cushion to absorb any shock generated while the bones move. In osteoarthritis, the cartilage becomes stiff and wears down over time, stretching tendons and ligaments, and causing the bones to rub against each other. This results in extreme pain, particularly in the joints and leads to loss of movement .

Although osteoarthritis can damage any joint, the disorder most commonly affects joints in your hands, knees, hips and spine.

Symptoms of Osteoarthritis

The symptoms of osteoarthritis often develop slowly and worsen over time. Signs and symptoms of osteoarthritis include:

- ◆ Pain in a joint during or after use, or after a period of inactivity
- ◆ Tenderness in a joint when light pressure is applied
- ◆ Stiffness and limited motion in a joint, usually noticed on waking up in the morning or after a period of inactivity
- ◆ Loss of flexibility and difficulties in using a joint
- ◆ Swelling, in some cases
- ◆ Cracking sound when a joint bends



Causes of Osteoarthritis



The most common factors that contribute to the development of osteoarthritis are listed below:

Aging - Osteoarthritis sets in after 45, and it is a very common condition in people over 65.

Genetic factors - Various genetic traits can predispose a person to develop osteoarthritis.

Excess body weight - Overweight individuals are more likely to develop osteoarthritis since their weight puts additional pressure on their hips and knees.

Joint injury - Osteoarthritis can sometimes develop following a traumatic injury to a joint.

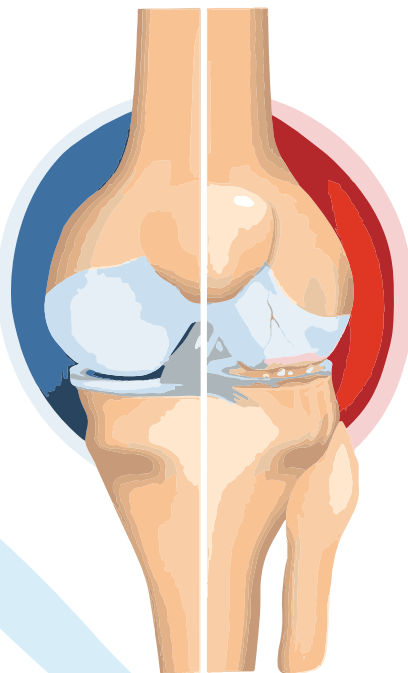
Occupation - Certain careers that require standing for long periods of time, repetitive bending, heavy lifting or other movements can also drive cartilage wear causing osteoarthritis.

Gender - Osteoarthritis is more common in men younger than 50, however, after 50, it is more common in women. Women also experience faster progression of hip osteoarthritis than men.

What is a synovial joint?

A synovial joint is the most common type of joint in the human body that joins two moving bones. The joint has an outer joint capsule that keeps the bones together and an inner synovial membrane that contains the synovial fluid .

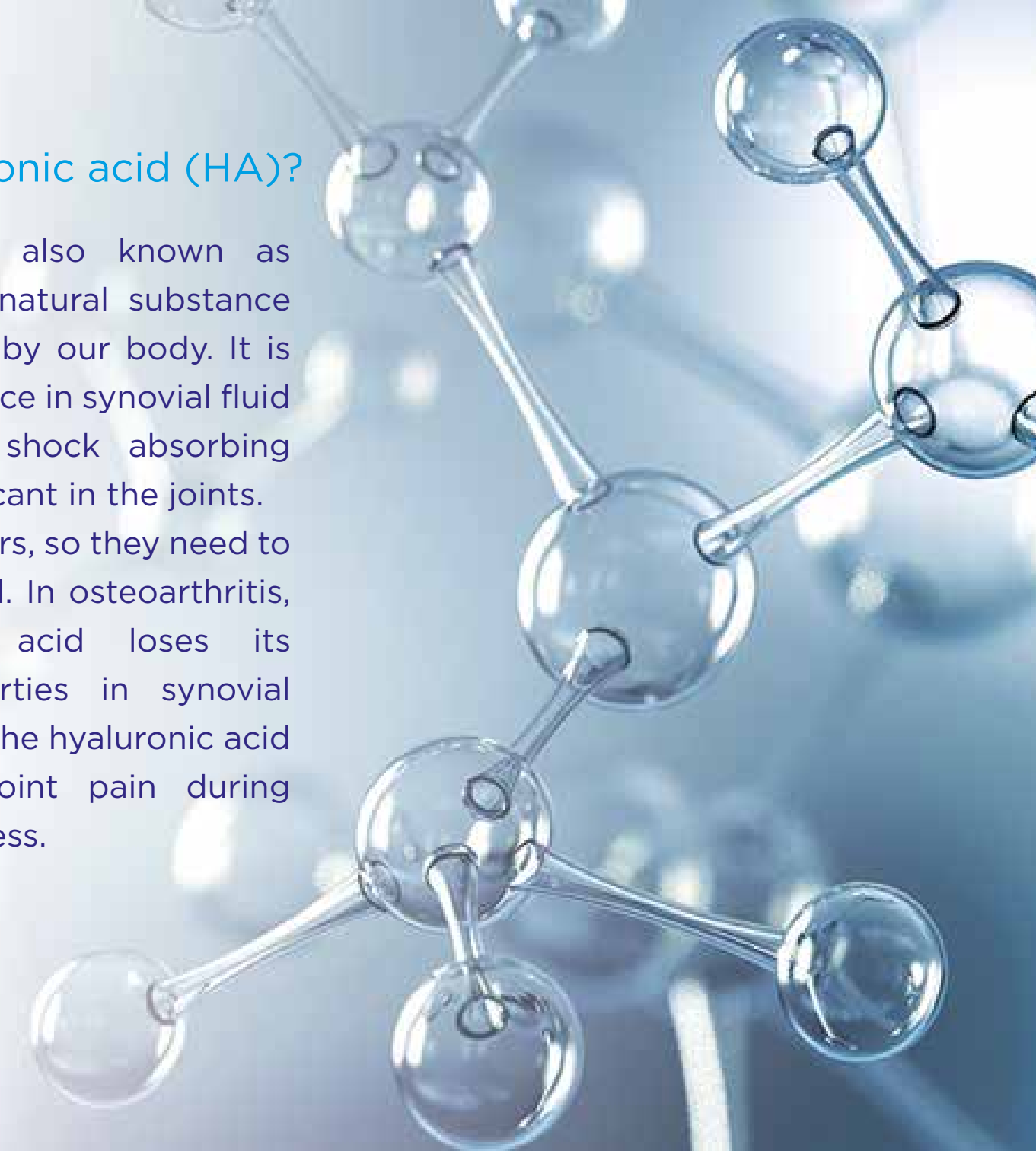
The active substance of the synovial fluid is hyaluronic acid that acts as a shock-absorbing cushion and lubricant to reduce friction between the articular cartilage of synovial joints during movement.



What is hyaluronic acid (HA)?

Hyaluronic acid, also known as hyaluronan, is a natural substance that is produced by our body. It is the major substance in synovial fluid and acts as a shock absorbing cushion and lubricant in the joints.

Joints are like gears, so they need to be well lubricated. In osteoarthritis, the hyaluronic acid loses its necessary properties in synovial fluid. This loss of the hyaluronic acid contributes to joint pain during motion and stiffness.



Treatment of Osteoarthritis – Reviscon line

All Reviscon products are intra-articular injections containing high molecular weight sodium hyaluronate to prevent pain and improve motion impairments for all joints caused by osteoarthritis.

Reviscon 20 mg

Reviscon Plus 32 mg

Reviscon Mono 48 mg



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Reviscon products are biocompatible and designed only for intra-articular use. The hyaluronic acid used is not of animal origin.



How is Reviscon line used?

Only healthcare professionals should use all Reviscon products.

Reviscon products are injected into your knee and the other joints by your doctor. It only takes a few minutes to complete the injection. You are free to leave the doctor's office immediately after the injection. You should avoid activities that apply heavy pressure on your injection site for up to 48 hours after injection.

There are 3 forms of Reviscon. Your doctor will recommend you the dosage that is appropriate for your disease.

- ◆ **Reviscon Mono** is a single injection product. After the injection, its effect lasts at least for 6 months.
- ◆ **Reviscon Plus** is injected 1-3 times with **5-10 day intervals**, and its effect lasts 6 months.
- ◆ **Reviscon** is injected 3-5 times with **5-10 day intervals**, and its effect lasts 6 months.



What are the benefits of Reviscon line?

Reviscon, Reviscon Plus, and Reviscon Mono are intra-articular injections that contain hyaluronic acid solution. They have the following effects:

- ◆ Make you feel comfortable when you move.
- ◆ Reduce pain and stiffness for up to 6 months.
- ◆ Help your body to produce healthy synovial fluid.
- ◆ Decrease inflammation in your joints.
- ◆ Impart high shock absorbing abilities with the high molecular weight hyaluronic acid content.





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For more information visit
www.reviscon.net

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