



SkyVisc Cross Link

WHAT IS OSTEOARTHRITIS (OA) OF THE KNEE?

- Osteoarthritis (OA) is known as the most common chronic disease of the

As the cartilage breaks down due to wear-and-tear and/or mechanical stress, it causes swelling, pain, and inflammation, leading to extracellular matrix (ECM)

- Knee osteoarthritis (KOA) is a progressive joint disease that often involves intra-

periarticular structures² and is considered a pathology characterized by articular cartilage lesions, synovitis, subchondral sclerosis, and osteophytes3.

- Knee osteoarthritis (OA) is most often a slowly progressive joint disorder

by cartilage degeneration and inflammation. Knee OA commonly results in knee pain and decreases patients' mobility (e.g. walking and stair climbing)5.

• The pain of osteoarthritis is usually related to activity. For osteoarthritis of the knee,

activities such as climbing stairs, getting out of a chair, and walking long distances bring on pain. Morning stiffness usually lasts less than 30 minutes⁶. Patients often note that their knees "give way," a so-called instability symptom.

WHAT ARE THE RISK PACTORS FOR OSTEOARTHRITIS?

- Age is one of the most common risk factors⁷
- Biological age-related changes in the joint structures
- Female sex (knee OA)8
- Obesity (knee OA)⁸
- Previous knee injury (knee 0A)⁶
- Knee malalignment (knee OA)⁹,¹¹
- Knee extensor muscle weakness (knee OA)¹¹
- Cam deformity and mild dysplasia (especially in the middle-aged (55 - 65)

years), but not in the older population (older than 65 years)) (hip OA)12

Severe dysplasia (hip OA)

WHAT ARE THE OA SYMPTOMS?

and relieved by rest. More advanced OA can cause pain at rest and during

advanced disease; often deep, aching, and not well localized; usually of

OSTEOARTHRITIS SYMPTOMS















- increased age (OA is unusual before age

OA STAGES

Stage 0 (Pre-Osteoarthritis) - Asymptomatic.

Stage 1 (Early or Doubtful) - Mild joint pain; No serious symptoms yet.

Stage 2 (Mild or Minimal) - Pain with activity, Difficulty straightening and bending joints; Stiffness.

Stage 3 (Moderate) - Frequent pain with movement; Stiffness in the morning or after sitting; visible swelling of joints possible.

Stage 4 (Severe) - High pain with joint usage; Daily activities very difficult; Intense stiffness; Severe swelling and inflammation.



WHAT IS SkyVisc™ CROSS?

 SkyVisc[™] Cross is intended for the treatment of symptoms of human joint

disorders such as osteoarthritis.

- SkyVisc™ Cross is indicated for viscoelastic replenishment or replacement of

synovial fluid in human joints.

- Reduced joint pain and stiffness for up to 6 months.
- Highly purified cross-linked hyaluronic acid.
- Bacterial origin.
- One injection per treatment.
- Long-lasting pain relief up to 12 months.
- CE Certified.















WHAT IS CROSS LINKED HYALURONIC ACID?

- In its natural state, HA is enzymatic and breaks down at rapid speeds. Therefore, in order to sustain turnover of the molecules, they must be chemically engineered to create a thicker gel in compariso to the usual liquid form.
- By transforming the liquid into a gel, polymer chains are crosslinked together to maintain shape for a longer period of time and slow the process of disintegrating.
- The more links that are created, the thicker the product becomes and more difficult it is for the body to breakdown and disintegrate.

CLINICAL EXPERIENCE WITH HYALURONIC ACID IN ORTHOPAEDICS

- Hyaluronic acid (HA) has been used mostly in the treatment of cartilage and osteoarthritis.
- It has been used in several joints(knee, ankle, shoulder, hip, first carpometacarpal, etc.).
- It has shown transient benefits in pain relief and improved range of motion (minimum 6 months).
- It has rare adverse effects (mainly self-limited pain and swelling (spontaneously solved within 48 h)).
- It has shown promising results in the treatment of tendinopathies including enthesopathies.
- Intra-tendon injections might have deleterious effects¹⁶.



TREATMENT WITH SkyVisc™ CROSS

The product should be administered according to the frequency

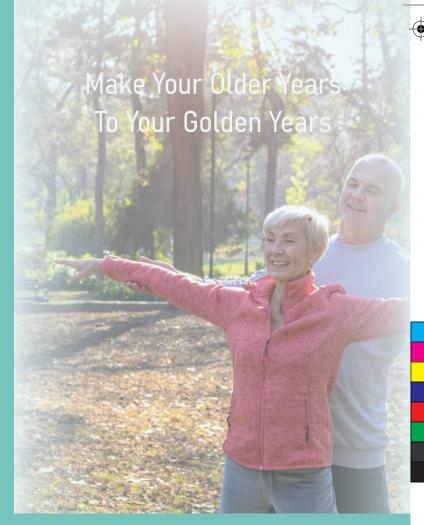
WHEN SHOULD YOU NOT TAKE SkyVisc™ CROSS?

- SkyVisc[™] Cross should not be administere in patients with known

SAFETY INFORMATION

accepted injection techniques for delivering agents to intra-articular

SkyVisc[™] Cross is recommended for patients with Osteoarthritis and







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