

OSTENIL®

OSTENIL® PLUS

OSTENIL® MINI

## A TAILORED APPROACH FOR LONG TERM RELIEF IN OSTEOARTHRITIS



OSTENIL®

Hyaluronic acid 1% (20 mg/2 mL)  
2 mL pre-filled syringe  
3-5 injections



OSTENIL® PLUS

Hyaluronic acid 2% (40 mg/2 mL)  
2 mL pre-filled syringe  
1-3 injections



OSTENIL® MINI

Hyaluronic acid 1% (10 mg/1 mL)  
1 mL pre-filled syringe  
1-3 injections

# OSTENIL®

# OSTENIL® PLUS

# OSTENIL® MINI



## References

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## Short instructions for use

**Composition:** sodium hyaluronate from fermentation (Ostenil Mini: 10 mg; Ostenil: 20 mg; Ostenil Plus: 40 mg) and sodium chloride, disodium phosphate, sodium dihydrogen phosphate, water for injections. In addition, Ostenil Plus contains mannitol. **Indication:** Viscoelastic solutions for injection into the joint cavity in case of pain and restricted mobility in degenerative and traumatic changes of synovial joints. Inject into the affected joint once a week for a total of 1-3 (Ostenil Mini, Ostenil Plus) or 3-5 (Ostenil) injections. **Contra-indications:** Ostenil Mini, Ostenil and Ostenil Plus should not be used in patients with ascertained hypersensitivity to any of its constituents. **Undesirable effects:** Local secondary phenomena such as pain, feeling of heat, redness and swelling/joint effusion may occur in the treated joint. The general precautions for intra-articular injections should be observed, including measures to avoid joint infections. **Precautions:** As no clinical evidence is available on the use of hyaluronic acid in children, pregnant and lactating women or in inflammatory joint diseases such as rheumatoid arthritis or ankylosing spondylitis, treatment with Ostenil Mini, Ostenil or Ostenil Plus is not recommended in these cases. Do not use if the pre-filled syringe or sterile pack are damaged. Any solution not used immediately after opening must be discarded. Store between 2 °C and 25 °C. Do not use after the expiry date indicated on the box.

The instructions for use (IFU) may vary depending on the country where the product is authorized. Please refer to your local IFU for more information.



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## RELIEVING JOINT PAIN SINCE 20 YEARS

Osteoarthritis is the most common joint disease, especially in middle-aged and elderly people.<sup>1</sup> In patients suffering from this disease, the concentration and the quality of the synovial fluid is reduced.<sup>2</sup>

Viscosupplementation with exogenous hyaluronic acid (HA) aims to improve the viscoelastic properties of the synovial fluid and restore the mechanical properties of the cartilage.<sup>3</sup>

The Ostenil products have been developed to relieve pain and improve mobility in degenerative and traumatic changes of the knee joint and other synovial joints.

Based on the biomechanical properties of HA, the Ostenil range has demonstrated to be efficacious and safe in the treatment of osteoarthritis of the knee, the hip, the shoulder and of several small joints such as the foot, the hand or the spine facets.<sup>4-12</sup>





# OSTENIL®

## DECREASED JOINT PAIN WITH IMPROVED JOINT FUNCTION<sup>4,6,7</sup>

**93%**

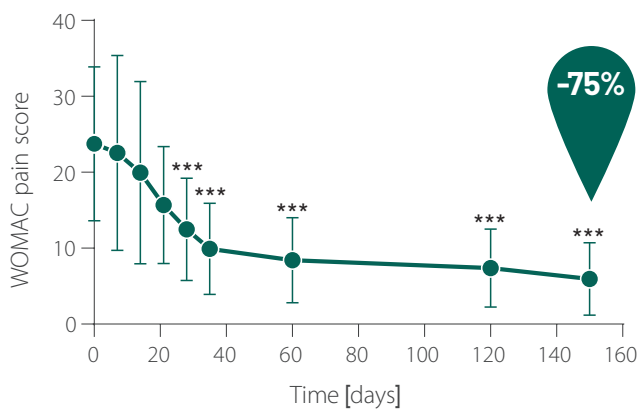
of physicians rated  
the efficacy of  
Ostenil as good to  
moderate<sup>5</sup>

**12 months**

Increase of  
functional activity  
in hip osteoarthritis  
after 12 months  
( $p < 0.0001$ )<sup>7</sup>



Ostenil is superior to lidocaine  
to reduce pain after 1 month in  
hip osteoarthritis.<sup>7</sup>



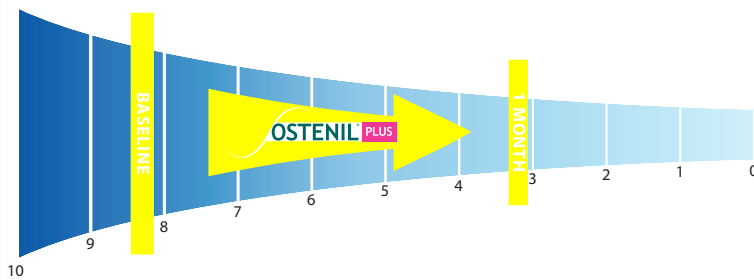
Ostenil leads to a dramatic  
reduction of pain in patients  
suffering from knee  
osteoarthritis up to 5 months  
after the first intra-articular  
injection.<sup>4</sup>

\*\*  $p < 0.0061$ , \*\*\*  $p < 0.0001$  versus baseline. WOMAC, Western Ontario and McMaster Universities Osteoarthritis Index. Adapted from Fraiman et al.<sup>4</sup>

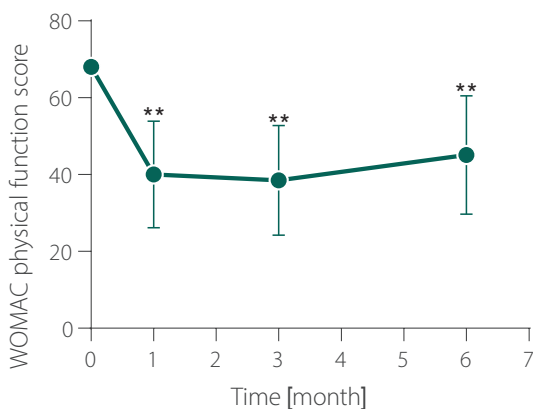




## SUSTAINED EFFICACY WITH A REDUCED NUMBER OF INJECTIONS<sup>8</sup>



A single injection of Ostenil Plus reduces VAS pain score by more than 60%.<sup>8</sup>



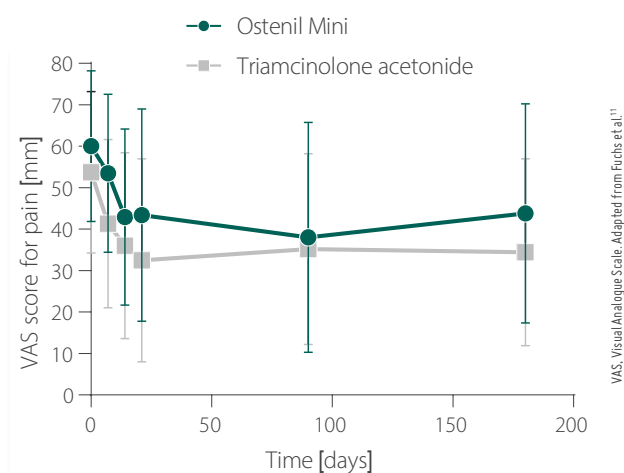
Ostenil Plus significantly reduces WOMAC pain and stiffness by more than 40% after one month in patients suffering from knee osteoarthritis. The ability to perform daily activities is enhanced up to 6 months.<sup>8</sup>

<sup>\*\*</sup> p<0.01 versus baseline. WOMAC, Western Ontario and McMaster Universities Osteoarthritis Index. Adapted from Dernek et al.<sup>8</sup>

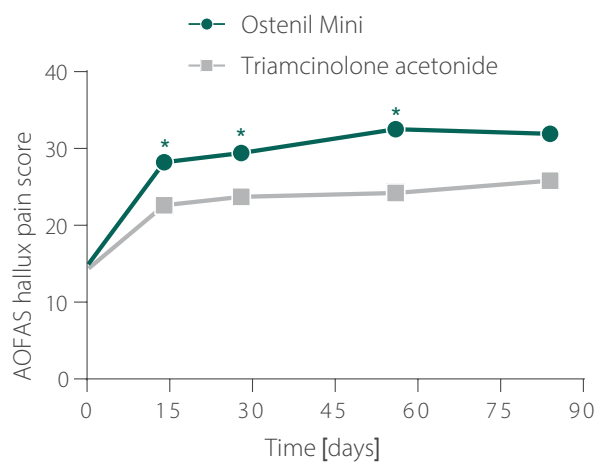




## THE FLEXIBLE SOLUTION TO TREAT SMALL JOINTS



Spine osteoarthritis: Oste nil Mini decreases low back pain up to 6 months after the first injection.<sup>11</sup>



Foot osteoarthritis: One injection of Oste nil Mini significantly reduces pain in comparison with an intra-articular corticosteroid.<sup>10</sup>



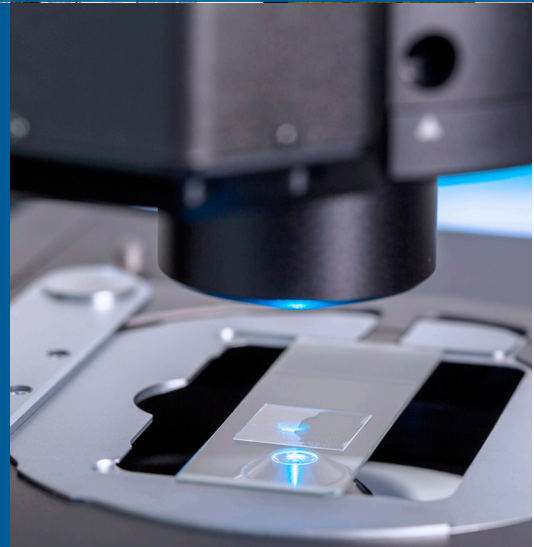


# 20 YEARS OF EXPERIENCE WITH HYALURONIC ACID IN OSTEOARTHRITIS



## FREE OF ANIMAL PROTEINS

Sodium hyaluronate  
obtained by  
biofermentation



## FACILITATION OF ASEPTIC USE

Sterile in the blister



## FLEXIBLE TREATMENT SCHEME

3 different formulations,  
1 to 5 injections



## DESIGNED TO REPLACE NATURAL HA

Moderate molecular  
weight (1-2 million Da)  
Reduced flare-up risk<sup>13</sup>

