

Are you looking  
for powerful and  
long-lasting  
pain relief  
from knee  
osteoarthritis?



Help relieve painful  
knee osteoarthritis (OA)  
with a single-injection  
treatment.<sup>1</sup>

**DUROLANE<sup>®</sup>**  
hyaluronic acid, stabilized single injection

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**DUROLANE is a single-injection treatment designed to relieve OA knee pain.<sup>1</sup>**

## WHAT IS OA?

OA is often referred to as “degenerative joint disease”, which usually develops slowly over time. Gradually, cartilage on the surface of the joint starts to get damaged and wears away. This leads to pain and stiffness in the joint.

## WHAT IS HYALURONIC ACID (HA)?

HA is found naturally throughout the human body. It is an important component of synovial fluid (joint fluid). The synovial fluid allows joints to move easily and freely while also absorbing the shock of daily activity. In a healthy joint, HA helps to protect bones and other joint tissues from injury and disease.



## WHEN YOU HAVE OA

HA in your joints is continuously broken down and replaced over time.

- When you have OA, HA becomes diluted and breaks down faster.<sup>2</sup> This is associated with increased inflammatory processes that can degrade the cartilage in your knee.<sup>2</sup>
- The pain caused by inflammation limits movement, which in turn can lead to further deterioration of the joint.

## FOR THE TREATMENT OF OA PAIN

- HA is approved.<sup>1</sup>
- HA, a safe and noninvasive treatment, is a substance naturally found in the synovial fluid (joint fluid), that cushions the joint.

*HA can provide up to 6 months of OA pain relief, and has little or no side effects.<sup>3-6</sup>*

*DUROLANE is a powerful and lasting HA, which is injected directly into the joint.*



## WHAT IS DUROLANE?

DUROLANE is a single-injection treatment designed to provide powerful and lasting pain relief when you are suffering from pain due to OA.<sup>3-6</sup>

## HOW DOES DUROLANE WORK?

DUROLANE is HA, which acts like a lubricant and shock absorber in the synovial fluid. A DUROLANE injection may cushion your joint and manage your symptoms.<sup>1</sup>

## WHAT ARE THE BENEFITS OF DUROLANE?

DUROLANE reduces joint pain for up to 6 months, and improves physical activity and quality of life of OA patients in as early as 2 weeks, for up to 24 weeks.<sup>2-6</sup>

## IS DUROLANE RIGHT FOR ME?

If you are an OA patient who is not getting enough pain relief from oral medications, physical therapy or steroids, DUROLANE might be right for you.<sup>1</sup> Speak with your doctor about HA treatment with DUROLANE.

## IS THERE ANY REASON WHY I COULDN'T HAVE A DUROLANE INJECTION?

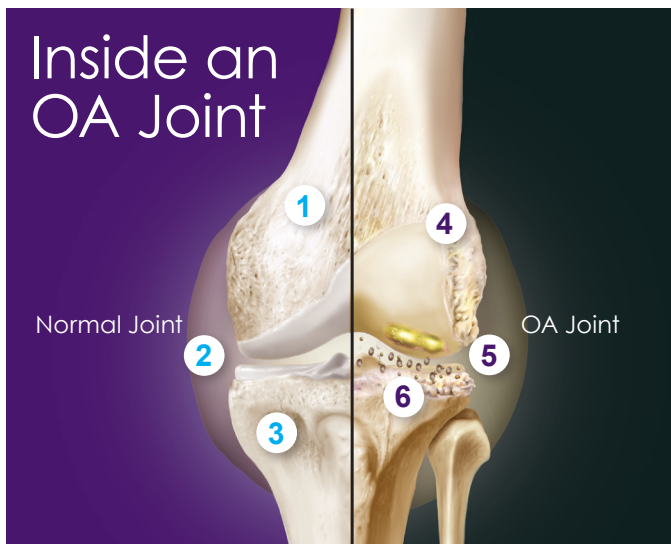
You should not use DUROLANE if you have infections or skin disease at the injection site. DUROLANE has not been tested in pregnant or lactating women, or children.<sup>1</sup>

Full Indications and Contraindications information can be found in product labeling, at [www.durolane.com](http://www.durolane.com) or by contacting customer service at 800-836-4080.

**Ask your doctor about DUROLANE,  
or visit [www.durolane.com](http://www.durolane.com)**



# Inside an OA Joint



- 1. Normal cartilage:** Provides a smooth surface, allowing bones to move easily across each other
- 2. Synovial fluid:** Lubricates and provides shock absorption during activity due to a high concentration of HA
- 3. Normal bone:** Provides strength and support for the body's tissues
- 4. Eroded cartilage:** If completely worn away, bones may scrape painfully against each other
- 5. OA synovial fluid:** The osteoarthritis disease leads to reduced production of HA, of poor quality
- 6. OA bone:** Bony spur growths (osteophytes)

## HOW DO I KNOW IF I HAVE OA?

Your doctor may diagnose you, but you can help understand your pain better by filling out the self-assessment questions below.<sup>7</sup>

	YES	NO
I frequently experience stiffness in my joints after resting or when I wake up	<input type="radio"/>	<input type="radio"/>
My joint is tender or sore after overuse	<input type="radio"/>	<input type="radio"/>
I feel pain in my joints when I move	<input type="radio"/>	<input type="radio"/>
I feel pain in my joints even when I am not active	<input type="radio"/>	<input type="radio"/>
Getting up from a chair, out of a car, or going up or down stairs is difficult	<input type="radio"/>	<input type="radio"/>
I hear a crackling sound in my joints when I move	<input type="radio"/>	<input type="radio"/>
I experience a grating feeling in my joints when I move	<input type="radio"/>	<input type="radio"/>
The area around my joint is red and swollen	<input type="radio"/>	<input type="radio"/>
I am unable to do or enjoy certain activities because of pain or stiffness in my joints	<input type="radio"/>	<input type="radio"/>
I feel less coordinated due to pain or stiffness in my joints	<input type="radio"/>	<input type="radio"/>
I have noticed that the muscles close to my painful joint are not as strong as they used to be	<input type="radio"/>	<input type="radio"/>

If any of the above statements apply to you, you should see a doctor. The earlier OA is diagnosed, the sooner patients can receive appropriate treatment.

**References:** 1. DUROLANE [package insert]. Durham, NC: Bioventus LLC; 2017. 2. Balazs EA, Denlinger JL. Viscosupplementation: a new concept in the treatment of osteoarthritis. *J Rheumatol Suppl.* 1993;39:3-9. 3. Leighton R, Åkermark C, Therrien R, et al. NASHA hyaluronic acid vs. methylprednisolone for knee osteoarthritis: a prospective, multi-centre, randomized, non-inferiority trial. *Osteoarthritis Cartilage.* 2014;22(1):17-25. 4. Bannuru RR, Schmid CH, Vaysbrot EE, Wong JB, McAlindon TE. Comparative effectiveness of pharmacologic interventions for knee osteoarthritis: a systematic review and network meta-analysis. *Ann Intern Med.* 2015;162(1):46-54. 5. McGrath AF, McGrath AM, Jessop ZM, et al. A comparison of intra-articular hyaluronic acid competitors in the treatment of mild to moderate knee osteoarthritis. *J Arthritis.* 2013;2(1):108. doi: 10.4172/2167-7921.1000108. 6. Krocke D, Matziolis G, Tuischer J, et al. Reduction of arthrosis associated knee pain through a single intra-articular injection of synthetic hyaluronic acid. *Z Rheumatol.* 2006;65(4):327-31. 7. Arthritis Foundation. Osteoarthritis. [www.arthritis.org/about-arthritis/types/osteoarthritis/](http://www.arthritis.org/about-arthritis/types/osteoarthritis/). Published 2017. Accessed September 15, 2017.

### Summary of Indications for Use:

DUROLANE 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 or simple analgesics, e.g. acetaminophen.

Do not inject DUROLANE in patients with knee joint infections, skin diseases, or other infections in the area of the injection site. Do not administer to patients with known hypersensitivity or allergy to sodium hyaluronate preparations. Risks can include transient pain or swelling at the injection site.

DUROLANE has not been tested in pregnant or lactating women, or children. Full prescribing information can be found in product labeling, at [www.DUROLANE.com](http://www.DUROLANE.com), or by contacting Bioventus Customer Service at 1-800-836-4080.

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