

Long-lasting, proven pain relief for knee osteoarthritis — without surgery.^{1,2}



What is knee osteoarthritis?

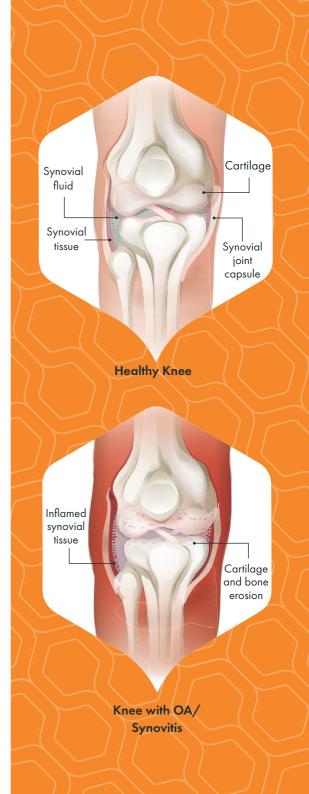
Knee osteoarthritis (OA) is a long-term condition where the shock-absorbing cartilage is worn away causing bones to rub together and the joint to become stiff, swollen and painful. The knee joint worsens over time resulting in synovial pain and disability.

Despite OA being the most common type of arthritis and the fastest growing cause of disability worldwide³, the treatment area has seen minimal progression in the last 20 years. With so little known about exactly what causes knee OA, a permanent cure has yet to be discovered.

As a result, the options available to the one third of over 65s currently living with OA worldwide have been limited⁴, with treatments to date having focused on pain relief and managing the symptoms of the condition.

Synovial pain (synovitis)

Synovial pain is a common symptom experienced by patients with knee OA.⁵ This is caused by the inflammation of synovial tissue (the lining) located inside the knee joint⁵, and is strongly linked with the level of pain experienced by knee OA patients.⁶



Of 1,504 respondents surveyed in the UK in March 2024:⁷

43%

would pay for non-surgical procedures for chronic joint pain,

58%

are concerned about side effects of surgery e.g. pain and discomfort, and

61%

are anxious about surgery.

The link between knee OA and synovial pain

Synovial pain is known to play an important role in the development of knee OA. In addition to its relationship with knee pain, there is also strong evidence that synovial pain is associated with further worsening of OA.⁵

Pain is the most common symptom experienced by patients with knee OA.8

Synovial pain cycle⁵

Too many inflammatory cells can result in a buildup of enzymes responsible for cartilage breakdown, which means the knee joint cannot heal, cartilage continues to breakdown and the pain cycle continues.

The synovial tissue or fluid is damaged or irritated.



Inflammatory cells are released into the synovial joint capsule in an attempt to heal the damaged tissue.

Inflammatory cells are produced in response to the inflammation.

Introducing Arthrosamid®

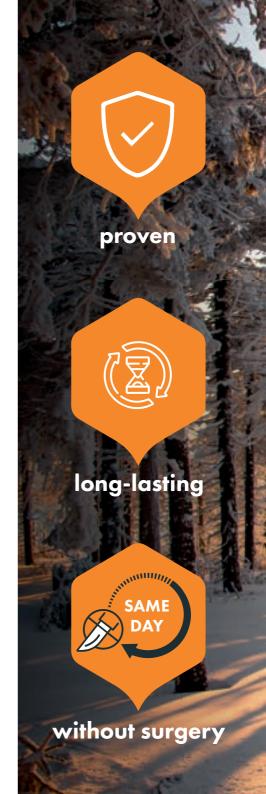
Arthrosamid[®] is a permanent injectable hydrogel⁹ implant that delivers long-lasting, proven pain relief without surgery^{1,2} — redefining treatment for knee OA.

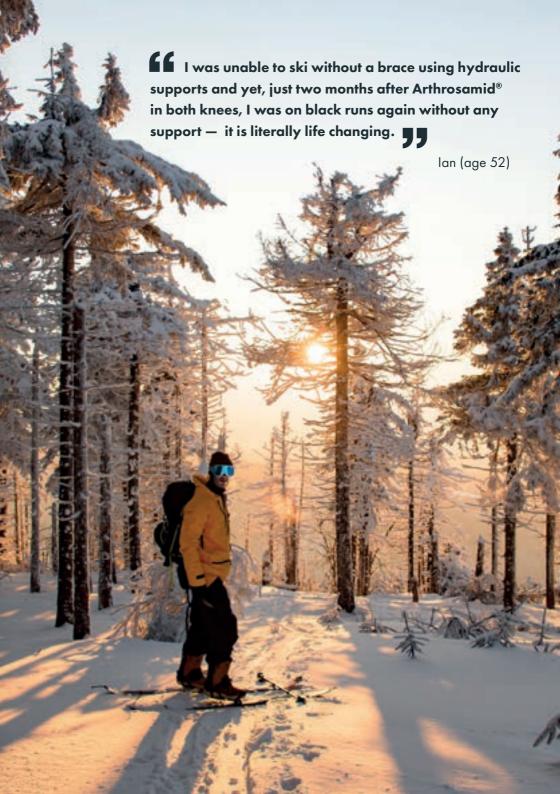
The first and only approved injectable implant treatment that permanently combines with the knee's synovial tissue⁹, Arthrosamid[®] decreases joint stiffness, diminishes pain, improves the function of the knee, and enhances your quality of life.^{2,10,11}

Arthrosamid[®] is administered via a simple, one-step procedure performed under local anaesthesia by a qualified physician familiar with joint injections¹² — ensuring you're in and out of the clinic the same day.



Supported by more than two decades of research⁷, Arthrosamid[®] is suitable, safe and effective^{11,13} for most patients with knee OA — and is proven to maintain a significant, long-lasting^{1,2} reduction in knee OA pain even five years post-treatment.²





How is Arthrosamid® administered?

Before treatment with Arthrosamid®, you will have a local anaesthetic to numb the area around your knee. You should also be given antibiotics ahead of this to protect you from any potential risk of infection.

Your knee is cleaned prior to treatment. Arthrosamid[®] is then singularly injected into your knee's synovial cavity. This is sometimes performed with the help of ultrasound. The needle is then removed and a plaster is placed over the injection site.

Arthrosamid[®] disperses within the synovial fluid and begins to stick and mesh with the tissue lining of the knee joint (synovial tissue).⁹

How does Arthrosamid® work?

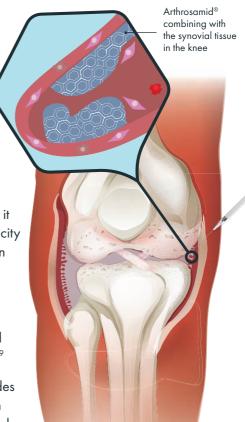
As Arthrosamid® becomes integrated within the tissue lining of the knee joint, it begins to soften and increase the elasticity of this tissue leading to clinically proven decreased joint stiffness and pain, and improved knee function.^{10,11,14}

Within approximately 6-12 weeks, the Arthrosamid® implant is fully integrated within the tissue lining of the knee joint.

It's this unique characteristic that provides a significant reduction in your OA pain over a longer period 1,15 — with one single treatment.







My knees were in constant pain, I was not eligible for surgery so was undergoing physiotherapy, in addition to taking over-the-counter pain medication, both on a regular basis. Nothing worked, and my walking and general mobility was deteriorating — I felt my general outlook was bleak, with no other options on the horizon. However, Arthrosamid® injections were almost immediately different and after just one week I was able to walk more normally again, pain was reduced by about 90% and I am confident my knee will continue to improve. I have my life back again and that is all due to this amazing new treatment.

Lorraine (age 60)



Why choose Arthrosamid®?

No therapies have been able to satisfactorily halt or delay OA progression or provide effective, long-lasting symptomatic relief for patients with knee OA.¹⁶ So, until now, treatments have tended to focus on pain relief and the management of symptoms through:

- Weight loss,
- Exercise and physiotherapy,
- Walking aids,
- Footwear and insoles,
- Knee braces,

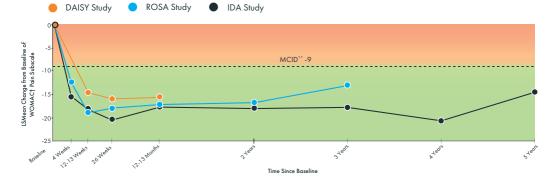
Oral pain relief medication,

Viscosupplement
 Hyaluronic Acid (HA)
 injections, and — when
 these therapies fail —

 Joint replacement/ knee surgery.¹⁶ In all our studies, 1.2.10.11,13-15.17,18 patients are shown to experience an improvement in their WOMAC pain score of 9 or more 14 — and this is maintained up to 5 years after single injection. 2

Reproducible pain reduction results^{1,2,10,11,13-15,17,18}

WOMAC pain subscale change from baseline across studies^{1,2,10,11,13-15,17,18}



† WOMAC or The Western Ontario and McMaster Universities Osteoarthritis Index is a measure of symptoms and physical disability LSMeans are modelled/estimated means. The estimated means are using data from the other visits and also the covariates.

^{**}The minimum clinically important difference (MCID) represents the smallest improvement considered worthwhile by a patient.



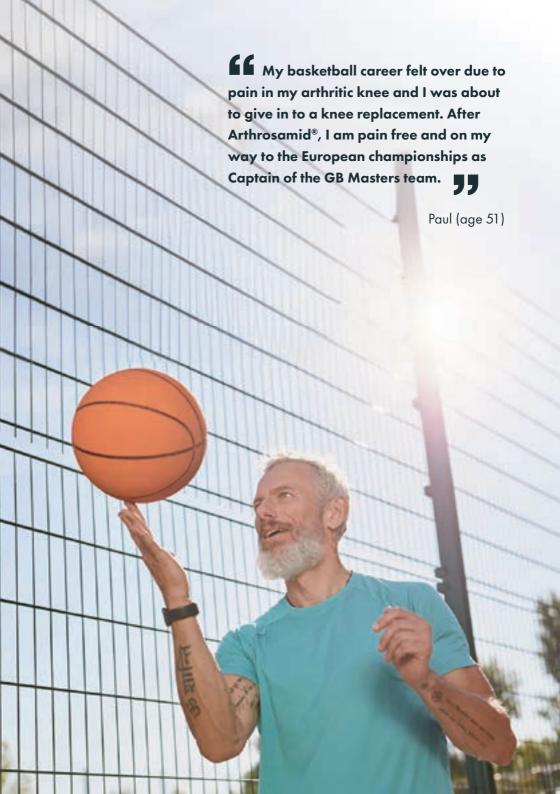
Treatment with
Arthrosamid® remains
safe and effective 11,13
for its intended use five
years after injection.2

What are the benefits?

Unlike with HA injectables — where there is very little evidence to show that the effect is still noticeable at six months ¹⁹ — Arthrosamid® provides a significant reduction in your knee OA pain over a longer period with one single treatment.^{1,2}

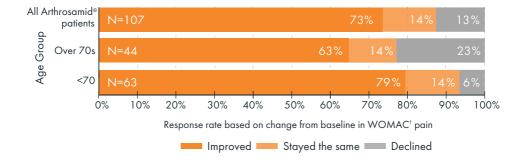
Treatment with Arthrosamid® is a simple, one-step out-patient procedure — which doesn't involve the disruptive recovery period usually associated with surgery.





What is the response rate of Arthrosamid®?

Patients in the under 70 years group reported close to 80% positive response rate following treatment with Arthrosamid[®].⁷



What are the side effects?

Clinical trials report there were no serious side effects following treatment with Arthrosamid[®]. The most commonly reported side effects were joint pain and a sensation of joint swelling, which were mostly mild in severity and lasting days to weeks.^{10,20}

The overall safety profile of the injectable hydrogel has been established over the last 20 years with its use for various indications in the body.⁷

It is important to bear in mind that there is no cure for osteoarthritis but successful treatment with Arthrosamid® may reduce or relieve your knee pain. You should also bear in mind that your knee osteoarthritis may not improve and, in some cases, may get worse.



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More information is available from www.arthrosamid.com/en-CA or info@arthrosamid.com

INDICATIONS, PATIENT GROUP AND USAGE

Arthrosamid[®] is intended to be used for symptomatic treatment of adult patients with knee osteoarthritis.¹²

CONTRAINDICATIONS¹²

Arthrosamid® should not be injected:

- If an active skin disease or infection is present at or near the injection site.
- If the joint is infected or severely inflamed.
- If the patient has previously received treatment with a different non-absorbable injectable/implant.
- If the patient has received a knee alloplasty or has any foreign material in the knee.
- If the patient has undergone knee arthroscopy within the last six months.
- In haemophilia patients or in patients in uncontrolled anti-coagulant treatment.

Treatment with Arthrosamid® may not be suitable for everyone. Your doctor is the best person to advise you.

