

The Nano Experience

A Patient's Guide to Minimally Invasive Relief and Faster Recovery



Discover the Nano Experience: Faster Relief, Less Disruption

Say goodbye to long recoveries and big incisions. Nano arthroscopy offers a faster, less disruptive way to diagnose and treat joint pain.

Nano arthroscopy, also known as needle arthroscopy, uses a tiny, high-resolution camera at the tip of a needle-sized device to look inside your joints. This advanced technique allows your doctor to diagnose and treat injuries with minimal disruption, often without the need for large incisions or traditional operating rooms.

In one study, 94% of patients who underwent an in-office Nano procedure for ankle treatment said they would undergo the procedure again.¹

Why Patients Choose Nano Arthroscopy

Faster Recovery¹

Get back to work, sports, and daily life sooner¹



Less Need for Narcotics

Many patients report less pain,² which may help reduce the need for strong pain medications³



Tiny Incision, Small Scar

No stitches, minimal scarring, and lower risk of complications⁴



Customized Experience

Your procedure can be tailored to your needs and comfort level



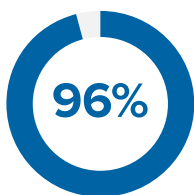
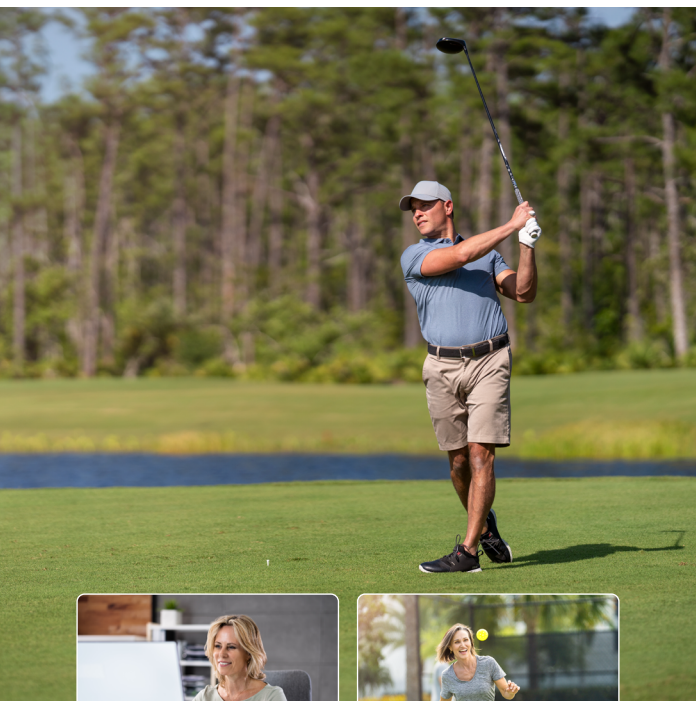
Why Nano?

Fast Recovery

Nano arthroscopy uses a needle-sized camera and advanced tools to diagnose and treat injuries through a tiny incision—often in a single outpatient visit. This means less downtime, less discomfort,² and a quicker return to your daily life.¹

Skip the MRI

With Nano arthroscopy, many conditions can be diagnosed during your appointment, which may help you avoid costly, time-consuming imaging.⁵



**of patients returned to
work/sports/activities
within 4 weeks¹**

Why Nano?

Barely a Mark, Maximum Comfort

Nano arthroscopy requires only a tiny incision, leaving just a small mark. Because the incision is so small, many patients experience less pain,² quicker recovery,¹ and added peace of mind knowing the risk of complications is low. Patients who undergo minimally invasive procedures often report less postoperative pain and low rates of surgical complications and infection.⁴

Precision That Fits Your Life

With Nano instrumentation, your surgeon can clearly see and treat your injury through a tiny incision, minimizing disruption and helping support a smoother return to everyday activities.



17.91 mm
US Dime



10 mm
General Surgery
Laparoscope



4 mm
Traditional Hip
Scope



1.9 mm
NanoNeedle™
Scope

Actual Sizes Shown

Comfort and Convenience

Most Nano procedures can be performed outside a traditional operating room. You may have the option to visit your surgeon at an ambulatory center or same-day care facility, making treatment easier and less stressful.



Ask your doctor if Nano arthroscopy is right for you.



The Nano Experience for Shoulder and Elbow

Relieve Pain and Restore Motion With Minimally Invasive Care

Nano arthroscopy can be used for diagnostic and treatment purposes for a variety of reasons in the shoulder and elbow, including:

- › Chronic shoulder issues
- › Biceps tendon repair
- › Repair reassessments
- › Complex shoulder repair

The Nano Experience for Knee and Hip

Get Back to Walking, Running, and Living Pain-Free

Nonsurgical options like injections, medications, and physical therapy may help improve some knee conditions. If these conservative treatments are not right for you or have failed to provide relief, your doctor may recommend surgery to address the underlying problem causing your symptoms.

- › Meniscal injuries
- › Damaged cartilage
- › ACL injuries
- › Tibial plateau fracture
- › Knee and hip repairs





The Nano Experience for Hand and Wrist

Advanced Care for Delicate Joints

While conservative treatments like injections, medications, and physical therapy may provide some relief for hand and wrist conditions, your doctor may recommend surgery to fix the underlying problem causing your symptoms.

Nano surgical instrumentation is extremely minimally invasive and can be used to diagnose and treat a variety of injuries and conditions, including:

- › Carpal tunnel syndrome
- › Distal ulnar pain
- › Arthritis
- › Instability and pain of the hand and wrist

The Nano Experience for Foot and Ankle

Step Back Into Comfort

Some foot and ankle conditions may improve with the help of conservative treatments, such as rest, ice, compression, and elevation (RICE); injections; medications; and physical therapy. However, if you are not finding relief and/or your doctor does not think you are a candidate, they may recommend surgery to fix the underlying problem causing your symptoms.

Nano arthroscopy can be used for diagnostic and treatment purposes for a variety of reasons, including:

- › Plantar fasciitis
- › Chronic ankle instability
- › Diagnostic procedures and biopsies
- › Infected joints
- › Cartilage injuries



The Nano Experience for Pediatrics

The NanoNeedle™ scope product line is cleared for orthopedic and laparoscopic procedures in children. With Nano arthroscopy, a doctor can diagnose and treat a wide range of conditions in various parts of your child's body.



Why Nano?

Customized Treatment Experience

Your Nano Experience may be customizable, including available anesthesia options. For available treatment options and level of customization, please contact your surgeon for more information.



**Nano arthroscopy patients
reported high levels of satisfaction
with their procedure**

Potential for Less Narcotics Use

Because MIS surgery with Nano arthroscopy (surgery performed using a millimeters-wide device to view and treat injuries) requires only a tiny incision and minimal tissue damage, patients reported less pain than with traditional arthroscopy procedures.² If you feel less pain, you may need less narcotic pain medication.³



Proven Technology Combined With a Positive Patient Experience

96%

of patients return to
activity within 4 weeks¹



Higher quality of life
2 weeks post-procedure²

35,000+

Procedures performed⁶
(as of September 2023)

94%

of patients would get this
procedure again¹

References

1. Colasanti CA, Mercer NP, Garcia JV, Kerkhoffs GMMJ, Kennedy JG. In-office needle arthroscopy for the treatment of anterior ankle impingement yields high patient satisfaction with high rates of return to work and sport. *Arthroscopy*. 2022;38(4):1302-a. doi:10.1016/j.arthro.2021.09.016 **2.** Schaver AL, Lash JG, MacAskill ML, et al. Partial meniscectomy using needle arthroscopy associated with significantly less pain and improved patient reported outcomes at two weeks after surgery: a comparison to standard knee arthroscopy. *J Orthop*. 2023;41:63-66. doi:10.1016/j.jor.2023.06.00 **3.** Bradsell H, Lencioni A, Shinsako K, Frank RM. In-office diagnostic needle arthroscopy using the NanoScope™ arthroscopy system. *Arthrosc Tech*. 2022;11(11):e1923-e1927. doi:10.1016/j.eats.2022.07.006 **4.** McMillan S, Chhabra A, Hassebrock JD, Ford E, Amin NH. Risks and complications associated with intra-articular arthroscopy of the knee and shoulder in an office setting. *Orthop J Sports Med*. 2019;7(9):2325967119869846. doi:10.1177/2325967119869846 **5.** Munn D, Burt J, Gee CW, McLaren CK, Clarke JV, Hall AJ. Moving orthopaedic procedures out of the operating theatre: outpatient needle arthroscopy can reduce cost & waste, and increase in patient capacity compared to conventional knee arthroscopy. *Knee*. 2023;42:143-152. doi:10.1016/j.knee.2023.03.009 **6.** Arthrex, Inc. Internal data on file. Naples, FL; 2023.

This description of technique is provided as an educational tool and clinical aid to assist properly licensed medical professionals in the usage of specific Arthrex products. As part of this professional usage, the medical professional must use their professional judgment in making any final determinations in product usage and technique. In doing so, the medical professional should rely on their own training and experience and should conduct a thorough review of pertinent medical literature and the product's directions for use. Postoperative management is patient-specific and dependent on the treating professional's assessment. Individual results will vary and not all patients will experience the same postoperative activity level or outcomes.



To learn more or
find a doctor, visit
[TheNanoExperience.com](https://www.Arthrex.com)