



GOODBYE PAIN. HELLO LIFE.

Choose a non-surgical option for pain relief,
targeting nerves responsible for pain.



If You Live With
Osteoarthritis (OA),
You Are Not Alone.

OA can cause pain, stiffness,
and swelling and can result in
disability. These changes usually
develop slowly and get worse
over time. You may not be
ready for surgery yet, and
opioids can have risks and
unwanted side effects.

~654
MILLION

Individuals (40
years and older)
have knee OA in
2020 worldwide.[†]

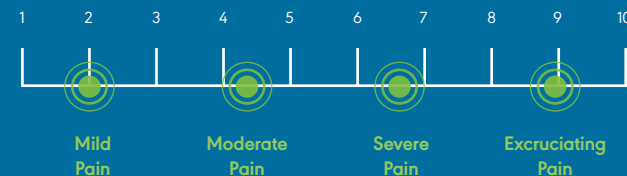
IS COOLIEF[®] COOLED RADIOFREQUENCY RIGHT FOR YOU?

Thermal Radiofrequency (RF) ablation is a non-narcotic, minimally
invasive pain management procedure that targets the source of
pain transmission.[†]

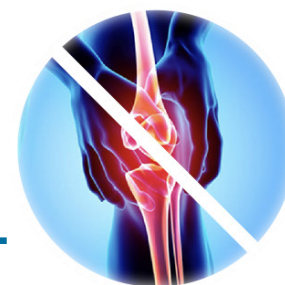
COOLIEF[®] Fills the Gap In OA Treatment
Options Between Short-Term Pain Relief
and Knee Surgery.[†]

Whether you've been living with OA knee pain for months or
years, your treatment options may change. You may have started
with conservative therapies (such as physical therapy or
non-steroidal anti-inflammatory drugs) but only found temporary
relief. When your pain is severe enough that your physician begins
talking about more serious treatments such as opioids or invasive
options like steroid injections or knee surgery, discuss with your
physician if COOLIEF[®] might be right for you.

How Bad is Your Knee Pain?



COOLIEF[®] FOR PAIN MANAGEMENT



COOLIEF[®] Cooled RF is a minimally invasive, non-narcotic solution
for chronic pain. Because it can be performed in an outpatient
setting, patients have the potential to return to an enhanced quality
of life sooner than with surgery and with a reduced need for
narcotics.[†]

Clinical trials have demonstrated the extended clinical durability of
COOLIEF[®]. **The majority of subjects experienced pain relief lasting
12 months. Some experiencing pain relief lasting up to 24 months.**
Patients also saw significant improvements in function at and past
12 months.[†]

When compared to hyaluronic acid, COOLIEF[®] Cooled RF was
found to provide:[†]



Significantly
greater and
longer-lasting
pain relief



Improved
physical
function



Higher
patient
satisfaction



TOP 6 WAYS COOLIEF[®] CAN HELP WITH OA KNEE PAIN.



Improvements In Function

At 6 months, patients who received COOLIEF[®] for OA knee pain saw significant improvements in function than patients who received other treatments (IAS and HA)[†]



Pain Reduction

One year after COOLIEF[®] treatment, there was an 83% reduction in patients experiencing symptoms of severe arthritis in the knee ($p < 0.0001$)[†]



Pain Relief for up to 24 Months

Clinical trials have demonstrated up to 24 months of pain relief[†]



No Opioid Recovery Medication

There may be some discomfort for a short period, but this discomfort can be treated with common over-the-counter medication



No Overnight Hospital Stay

COOLIEF[®] is performed in an outpatient setting



No Incision[†]

COOLIEF[®] involves no incision

HOW COOLIEF[®] WORKS

Radiofrequency ablation is the targeted thermal disruption of nerve function, meaning that a sensory nerve will not relay a pain signal for an extended period of time.[†]

With COOLIEF[®] Cooled RF, water-cooled electrodes enable more RF energy to be delivered than traditional RF, creating lesions that distally project more than 45% beyond the probe's tip, resulting in a spherically-shaped lesion that can reach up to 12mm in width (in bench testing).[†]

WHY CURRENT OA KNEE PAIN MANAGEMENT MIGHT NOT WORK

Not Ready for Surgery

Patients who desire surgery may be deemed poor surgical candidates due to advanced age or complex medical comorbidities. Surgery can be delayed because of a patient's preference, as well as contraindications. Other patients may choose to abstain from surgery because of risks of complications.

COMMON QUESTIONS ABOUT COOLIEF[®]

What should I expect after the COOLIEF[®] procedure?

As this outpatient treatment is minimally invasive and doesn't require general anesthesia, you should be able to return home shortly after the procedure. It's important to have a responsible adult accompany you.

Is the procedure painful?

No incision is made. Prior to the procedure, a local anesthetic is administered to alleviate discomfort during treatment.

Are there any risks associated with radiofrequency ablation?

There are inherent risks in the use of all prescription medical devices. For additional information, including contraindications and risks, consult your physician.

What do I do after the procedure?

Patients typically experience soreness at the treatment site for a short period. Your physician may suggest using cold packs or over-the-counter medication to alleviate discomfort. Following radiofrequency ablation, pain relief can be immediate or may take up to 3 weeks.[†] During the first week of recovery, it's advisable to rest and avoid prolonged periods of sitting and driving.

Visit goodbyepain.in for comprehensive information about:



OA knee pain and the benefits of COOLIEF[®]



Paying for COOLIEF[®]



Success stories from other COOLIEF[®] patients



Locating a COOLIEF[®] specialist near you

There are inherent risks in all medical devices. Please refer to the product labeling for Indications, Cautions, Warnings and Contraindications. Failure to follow the product labeling could directly impact patient safety. Physician is responsible for prescribing and administering medications per instructions provided by the drug manufacturer. Refer to www.avanospainmanagement.com for additional product safety Technical Bulletins.

[†] Claim data on file at Avanos.
AVANOS Radiofrequency Pain Management Systems are indicated for use to create RF lesions in nervous tissue.
1. Cleveland Clinic. Radiofrequency ablation (RFA): What it is & procedure. Published March 14, 2022. Accessed January 16, 2025. <https://my.clevelandclinic.org/health/treatments/17411-radiofrequency-ablation>

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