

# Surgery doesn't always have to be the answer...

## COOLIEF\*

Cooled Radiofrequency Treatment

For more information, please visit

[www.myCoolief.com](http://www.myCoolief.com)

## AVANOS

COOLIEF\*  
Cooled Radiofrequency Treatment

**COOLIEF\* HIP  
COOLED RADIOFREQUENCY**

A Non-Surgical, Non-Narcotic Procedure for  
Hip Joint Pain

Every patient has the right to pain relief, and surgery can be beneficial in properly selected patients. However, it is not for everyone for a variety of reasons, including cost and recovery time. That's why we focus our time and effort on trying to bring non-surgical pain relief options to those suffering from chronic pain.



### Why COOLIEF\* Cooled RF?

- Effective pain relief
- Outpatient procedure
- Greater mobility
- Quick recovery time
- Cost-effective, no overnight hospital stay
- Minimally invasive

1 Stelzer W. MD. Use of Radiofrequency Lateral Branch Neurotomy for the Treatment of Sacroiliac Joint-Mediated Low Back Pain: A Large Case Series. Pain Medicine, 2013 Jan (1)29-35.

2 Ho KY, et al. Cooled radiofrequency denervation for treatment of sacroiliac joint pain: two-year results from 20 cases. Journal of Pain Research. 3 July 2013.

For more information for clinicians and product code ordering information, please visit: [www.avanospainmanagement.com](http://www.avanospainmanagement.com)  
Call 1-844-4AVANOS (1-844-428-2667) in the United States and Canada.

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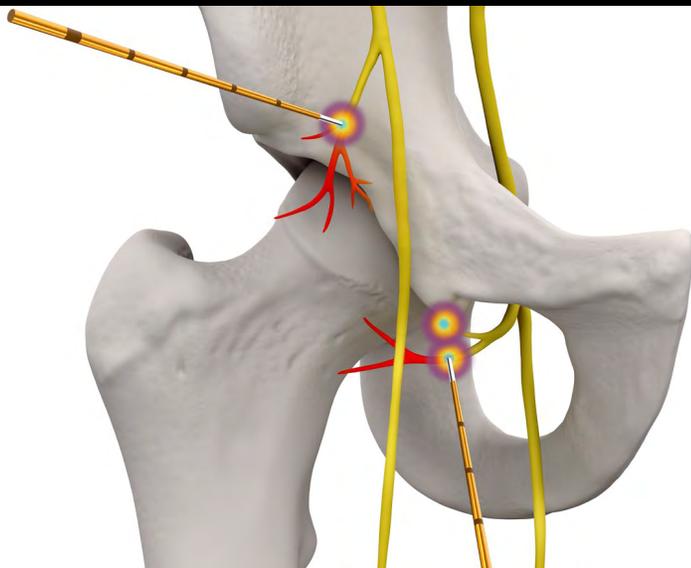
## AVANOS

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Has Your Physician Recommended  
Obturator and Femoral Articular  
Sensory Branch  
Neurotomy to Address  
Your Chronic  
**hip joint pain?**

*The following Q&A is provided to inform you and your family about the availability of COOLIEF\* Hip Cooled Radiofrequency for chronic hip joint pain.*



**“Percutaneous radiofrequency lesioning of these [obturator and femoral] nerves can be an alternative therapeutic tool in patients with hipjoint pain, especially in patients for whom operation is not applicable.”**

*- F. Birrell, Rheumatology, 2005*

## Imagine where life could take you

Chronic pain doesn't have to be met with surgery or medication. You deserve an option that's minimally invasive, effective, and offers a short recovery.

**COOLIEF<sup>®</sup>** Cooled Radiofrequency (RF) Treatment can deliver just that. It is a minimally invasive treatment option targeting nerves that are causing pain. Studies have been shown to provide chronic back pain patients with up to 24 months of pain relief, improved physical function and reduced drug utilization.<sup>1,2</sup>

### **Q What is COOLIEF<sup>®</sup> Cooled RF?**

**A** COOLIEF<sup>®</sup> Cooled RF is a minimally invasive, outpatient procedure that can safely treat chronic pain. This advanced procedure uses cooled radiofrequency energy to safely target the sensory nerves causing pain. COOLIEF<sup>®</sup> circulates water through the device while heating nervous tissue to create a treatment area that is larger than conventional RF treatments.

This combination targets the pain-causing nerves without excessive heating, leading to pain relief.

### **Q How long does the procedure take?**

**A** Procedure time varies depending on your physician and the treatment you need, but according to physicians that have performed this procedure, the actual radiofrequency treatment time typically is less than 20 minutes.

### **Q How soon can I go home after the treatment?**

**A** Since this minimally invasive outpatient treatment requires no general anesthesia, you should be able to return home shortly after the treatment. A responsible adult is required to be present in order to drive you home.

### **Q Is the COOLIEF<sup>®</sup> procedure painful?**

**A** Unlike surgery, COOLIEF<sup>®</sup> involves no incision. You may experience some discomfort at the radiofrequency site for a short period, but this discomfort can be treated with common over-the-counter medication.

### **Q When can I return to my normal activities?**

**A** Recommended rest will vary based on your unique needs and procedure. You can generally return to work and normal everyday activities within several days. Ask your physician for specific information regarding your procedure.

### **Q When will I begin to feel pain relief?**

**A** You should begin to feel pain relief within one to two weeks. In some patients, the relief can be relatively long-lasting. In others, additional treatments may be required.

**For the specific costs associated with this procedure, and/or with any other questions, please consult with your physician.**

*Birrell, F. et. al. Association between pain in the hip region and radiographic changes of osteoarthritis: Results from a population-based study. Rheumatology, 2005;44:337-41.*