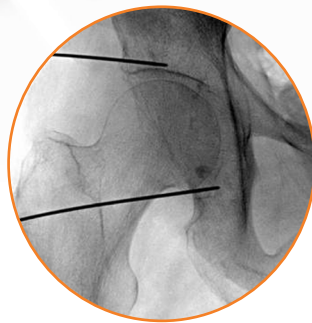


⦿ **Non-Surgical. Proven Relief.**

**KIMBERLY-CLARK* Cooled RF Kit
for Obturator and Femoral Neurotomy**

Cooled RF: A Minimally Invasive Option For Obturator and Femoral Ablation



An estimated 7% of men and 10% of women over the age of 45 suffer from chronic hip joint pain, primarily caused by degeneration of the articular cartilage due to injury or disease. When rest, anti-inflammatory drugs or physical therapy fail to address the pain of osteoarthritis (OA) of the hip, the only remaining solution is total hip replacement for over 400,000 patients a year who progress to this invasive surgical intervention.

However, hip replacement procedures are costly, and there exists a large demographic of chronic joint pain patients who are not candidates for invasive procedures due to BMI, age, other co-morbidities or an unwillingness to undergo major surgery.

COOLED RF:

- **Clinical studies of cooled RF addressing other sources of pain have demonstrated up to 24 months pain relief with improved physical function and a reduction in pain medication usage.²**
- **Designed to treat complicated and variable nerve course such as the articular innervation of the hip through the creation of large volume, spherical lesions.**
- **Distal lesion projection allows for a familiar perpendicular approach to the target nerves, potentially resulting in reductions to procedure time and fluoroscopic exposure.**

NEW COOLED RF Now Configured for Obturator and Femoral Neurotomy

Fortunately, the same revolutionary Cooled RF Pain Management System with documented pain relief in segments of the spine is now available to target and treat sensory branches of the obturator and femoral nerves innervating the hip joint.

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KIMBERLY-CLARK* Cooled RF Kit for Obturator and Femoral Neurotomy

Non-Surgical. Minimally-Invasive. Non-Narcotic.

Cooled RF is a non-surgical, minimally-invasive, non-narcotic solution for obturator and femoral neurotomy. Because it can be performed in an outpatient setting, patients have the potential to return to an enhanced quality of life much sooner than with surgery --- and with a reduced need for narcotics.²

Studies show that when Cooled RF is performed on other joints with osteoarthritis:

- Physical function is significantly improved³
- Pain and disability are decreased³
- Drug utilization is reduced³

Cooled RF Kit for genicular neurotomy

A minimally invasive option for genicular nerve ablation.

CERVI-COOL* System for cervical facet joint pain

Anatomically tailored cooled RF system offering relief in the cervical region by delivering large volume lesions where anatomy and nerve path are variable.

LUMBAR-COOL* System for lumbar z-joint pain

Large volume, anatomy-specific lesion using a perpendicular approach encompasses the medial branch nerve in one pass, eliminating the need for multiple passes.

SINERGY* System for sacroiliac joint syndrome

Large volume lesions ablate the variable target neural structures between the posterior sacral foramina and the painful SI joint.

THORA-COOL* System for thoracic facet joint pain

Large volume lesion size and position compensate for the variable course of the medial branch nerve, especially in the mid-thoracic levels.

TRANS-DISCAL* System for discogenic pain

For intervertebral disc biacuplasty, bipolar probe placement straight into the disc creates large, reproducible lesion within a significant volume of the disc.

KIMBERLY-CLARK* Cooled RF Probe Kits

Disposable, sterile. Includes 17 gauge introducer and tube kit. Probes and introducers also available separately.

Product Code	Description	Packaging
CRK-17-100-4	Cooled RF Kit, 17 gauge, 100mm	1 /each
CRP-17-100-4	Cooled RF Probe, 17 gauge, 100mm	1 /each
CRI-17-100	Cooled RF Introducer, 17 gauge, 100mm	1 /each
CRK-17-75-4	Cooled RF Kit, 17 gauge, 75mm	1 /each
CRP-17-75-4	Cooled RF Probe	1 /each
CRI-17-75	Cooled RF Introducer, 17 gauge, 75mm	1 /each
CEK-17-50-2	CERVI-COOL* System Probe Kit, 17 gauge, 50 mm	1 /each
CEP-17-50-2	CERVI-COOL* System Probe, 17 gauge x 50 mm	1 /each
CEI-17-75	CERVI-COOL* System Introducer, 17 gauge x 75mm	1 /each
LUK-17-150-4	LUMBAR-COOL* Probe Kit, 17 gauge, 150mm	1 /each
SIK-17-75-4	SINERGY* Probe Kit, 17 gauge, 75mm	1 /each
SIK-17-150-4	SINERGY* Probe Kit, 17 gauge, 150mm	1 /each
THK-17-75	THORA-COOL* Probe Kit, 17 gauge, 75mm	1 /each
TDK2-17-150-6	TRANS-DISCAL* Probe Kit, 17 gauge, 150mm	1 /each

“In our experience, percutaneous radiofrequency lesioning of the sensory branches of the nerves innervating the hip joint can be an option for patients with intractable hip joint pain”⁴

THE KIMBERLY-CLARK ADVANTAGE*

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Commitment to Excellence

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1 MedTech Insights: U.S. Market for Joint Replacement and Reconstruction, June 2011.
2 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.
3 Malik, A. et al. Percutaneous Radiofrequency Lesioning of Sensory Branches of the Obturator and Femoral Nerves for the Treatment of Non-Operable Hip Pain. Pain Physician. 2003;6:499-502
4 Rivera, F. et al. Percutaneous Radiofrequency Denervation in Patients With Contraindications for Total Hip Arthroplasty. Orthopedics, 2012 35:3, e302-e305

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