



Cooling Technology Delivers the RF Solution to SIJ Pain

Sacroiliac joint pain is estimated to cause between 15% and 20% of chronic axial low back pain.¹ The treatment of SI joint pain is widely acknowledged to be one of the most challenging conditions pain physicians face, and until recently, there were few reliably effective treatments.^{1,2}

Radiofrequency neurotomy is well-established as an effective minimally invasive treatment for zygapophysial (facet) joint pain. But in the SI joint, anatomical studies show wide variability in the innervation of the anterior joint.² The challenge in effectively treating SI joint pain is capturing the afferent lateral branches coursing between the painful SI region and the posterior sacral foramina.

KIMBERLY-CLARK* SENERGY* Cooled RF System uses revolutionary cooling technology for sacroiliac joint denervation. The SENERGY* System enables placement of large volume, spherical lesions that are optimized in size and position to compensate for the variable nerve course, compared to a flat lesion created with conventional RF.

- Cooling technology allows for higher power delivery and a larger volume of treated tissue than conventional RF, without risk of adjacent tissue charring.
- In a randomized, placebo-controlled study, at 3-months post-procedure, 64% of patients obtained pain relief of 50% or greater and saw clinically relevant functional improvement.¹
- KIMBERLY-CLARK* Multi-Cooled RF Module enables placement of up to four lesions at once, reducing procedure time to improve OR utilization.

KIMBERLY-CLARK* Cooled RF Pain Management System is a revolution in radiofrequency technology – giving physicians the power of targeted treatment for symptomatic patients, even in difficult to treat spine anatomy.

“... Radiofrequency denervation of the L4 and L5 primary dorsal rami and S1-S3 lateral branches may provide significant pain relief and functional improvement in carefully selected patients with suspected sacroiliac joint pain.”¹

Cohen, S. Anesthesiology, 2008





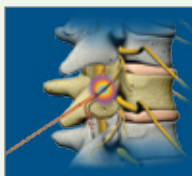
LUMBARCOOL* System for lumbar z-joint pain

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.



THORACOOL* 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.



TRANSDISCAL* 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 Pain Management System

Code	Description	Packaging
PMG-115-TD	RF Generator, Advanced Model	1 /each
TDA-PPU-1	Pain Management Pump Unit	1 /each
CRX-BAY-CRP	Cooled RF System Connector Cable	1 /each
TDX-PMG-PPU	Cooled RF System Pump Connector Cable	1 /each
CRX-BAY-MCRF	Multi-Cooled RF Module	1 /each
TDX-Y-TSW-TDP2	TRANSDISCAL* Y-Connector Cable	1 /each

KIMBERLY-CLARK* Cooled RF Probe Kits

Disposable, sterile. Includes 17 gauge introducer and tube kit.

Probes and introducers also available separately.

Code	Description	Packaging
LUK-17-150-4	LUMBARCOOL* Probe Kit, 17 gauge, 150 mm	1 /each
SIK-17-75-4	SINERGY* Probe Kit, 17 gauge, 75 mm	1 /each
SIK-17-150-4	SINERGY* Probe Kit, 17 gauge, 150 mm	1 /each
THK-17-75	THORACOOL* Probe Kit, 17 gauge, 75 mm	1 /each
TDK2-17-150-6	TRANSDISCAL* Probe Kit, 17 gauge, 150 mm	1 /each

The KIMBERLY-CLARK ADVANTAGE*

KNOWLEDGE NETWORK* Clinical Education
On-site Clinical Support
Certified Sales Representatives
Tools & Best Practices
Clinical Research
Commitment to Excellence

Infection prevention website:

www.HAlwatch.com



For more information about KIMBERLY-CLARK* Cooled RF System, contact your representative, call 1-800-KCHELPS (1-800-524-3577) in the United States or visit our website at www.kchealthcare.com/pmsolutions

¹Cohen, S., Hurley, R., Buckenmaier, C., Kurihara, C., Morlando, B., Dragovich, A., Randomized placebo-controlled study evaluating lateral branch radiofrequency denervation for sacroiliac joint pain. *Anesthesiology*, August 2008, V. 109, No. 2, 279-287.

²Cohen, S., Sacroiliac joint pain: a comprehensive review of anatomy, diagnosis, and treatment, *Anesthesia and Analgesia*, 2005, 101-1440-53.

*Registered Trademark or Trademark of Kimberly-Clark Worldwide, Inc. and its affiliates. ©2011 KCWW. H02207



Trusted Clinical Solutions*