

MEDCO FORUM[®]

PRESENTING INNOVATIVE PRODUCTS & SERVICES TO HEALTHCARE PROFESSIONALS

Medco Forum Presents: Misonix BoneScalpel™ – The Ultrasonic Instrument That Is Revolutionizing Spine Surgery

Ultrasonic Osteotome Enables Shorter, Safer, More Cost-Effective Surgeries and Significant Reductions in Patient Blood Loss



Acclaimed by surgeons as one of the most important recent advancements in instruments designed for spine surgery, the Misonix BoneScalpel™ enables precision osteotomies and has been predicted to become a preferred surgical tool for the next decade and beyond.

This ultrasonic osteotomy system by Misonix includes a console and piezoelectric handpiece connected to a blade that imperceptibly oscillates, enabling bone dissection right next to nerve structures and delicate tissue. Compensating for thermal effects, a patented liquid pathway irrigates the blade-tissue interface and mitigates bone necrosis. With the BoneScalpel, loss of viable bone and bleeding are minimal, and the surgical site is cleaner.

Eric J. Woodard, MD, Chief of Neurosurgery at New England Baptist Hospital in Boston, MA:

“We have used the BoneScalpel two and a half years now, to perform about 1,000 cases, and we have largely replaced the use of drills in favor of the BoneScalpel, essentially using the BoneScalpel in 90% of applications where a drill was formerly used. The general advantages of the BoneScalpel are numerous. We now use it essentially on every spine patient, and we have found in our practice that it significantly reduces operative time, decreases blood loss, and markedly increases the amount of residual local bone available for grafting. In so doing, it significantly reduces overall O.R. time and O.R. cost. The incidence of inadvertent durotomy has dropped with our BoneScalpel use to rare occasions at this point. We are also seeing values of about a 15 to 20 percent reduction in average blood loss with the BoneScalpel, so the safety factor that the BoneScalpel brings to spine surgery is significant. It has revolutionized how we do spine surgery.”



Dr. Sean Molloy, MBBS, MSc, FRCS of the Royal National Orthopaedic Hospital in Stanmore, UK:



"Initially I started using the BoneScalpel about 18 months ago. In the particular kinds of cases I handle, I am striving all the time to get an edge, a better outcome for the patient, with less blood loss. When I perform an adult deformity correction, for instance, my patient will now lose on average about 750 mL of blood, whereas in the past it was at least twice that. The BoneScalpel has absolutely transformed my practice. I use the Misonix bone-cutting system for all my bony resection, and it has speeded up my surgeries to a significant degree. It is the best bit of equipment I have in my armamentarium. In 18 months and about 400 cases with all my tumor resection and deformity work, I have had no neurological injuries related to the use of the BoneScalpel."

Ultrasonic BoneScalpel™



MISONIX®

**For more information about Misonix
please visit www.misonix.com, call 1-800-694-9612,
view surgical videos
at <http://bonescalpel.misonix.com>,
or visit us at NASS booth #2112.**