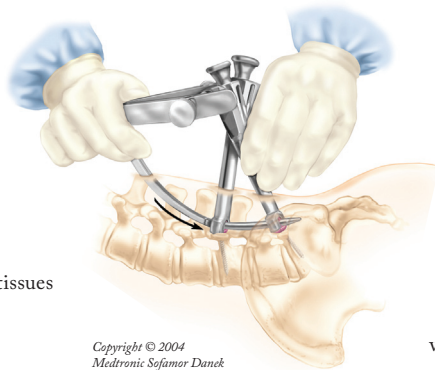


NEW MINIMALLY INVASIVE TECHNIQUES

Improve Outcome of Spine Surgeries

Traditional spine surgery can involve a three-inch long incision, in which muscles and tissues are separated for optimal access to the injury site. Due to the resulting trauma to surrounding tissues and the amount of blood loss involved, a several-week recovery period may be required while the affected tissues and muscles heal.



Conversely, in minimally invasive surgery, the surgeon makes smaller incisions, sometimes only a one-half inch in length. Through these tiny incisions, the surgeon inserts special surgical instruments and probes in order to access the damaged disc in the spine. About 200,000 Americans undergo fusion surgery each year in order to relieve pain from

serious degenerative disc disease. The latest advance for fusion surgery involves a special instrument called a "Sextant" (© Medtronic Sofamor Danek), which enters the incisions and allows the surgeon to insert rods and polyaxial screws with minimal tissue trauma. ALIF procedures can now be done with LT cages and BMP, a bone-growth stimulant which eliminates the need to

harvest hip bone. A surgical advance for simple discectomies is the new METRx system for the repair of herniated discs. Using a narrow "Cannula," the surgeon can repair the disc through a smaller incision than that required by a traditional microdiscectomy. By using minimally invasive techniques, access and repair to the damaged disc

or vertebrae is achieved without harming nearby muscles and tissues. Other benefits of minimally invasive techniques include shorter surgery duration and recovery time, smaller incisions, less visible scars, and reduced blood loss.



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Medical School

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Neurosurgical Residency

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Spine Fellowships

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Area of Expertise

Complex spine surgery
Minimally invasive spine surgery
Cervical spinal disorders
Degenerative Spine
Trauma
Tumor- Infection
Spinal Deformity

Spine Nevada
a center of excellence

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