



Suffering Surgeons Could Increase Robot Sales

Study Shows Physician Pain During Laparoscopic Procedures

Companies & Products

Intuitive Surgical, Inc. (ISRG) –
da Vinci Surgical System

MKAO Surgical Corp. (MAKO) -
RIO Robotic Arm Interactive
Orthopedic System

Sterotaxis (STXS) –Magnetic
Navigation System

Hansen Meidcal (HNSN) –
Sensi Robotic Catheter
System

- The *Journal of the American College of Surgeons* has published that **87% of surgeons report physical symptoms or discomfort from performing laparoscopic surgery** (Park et al, published online Dec 24, 2009).
- Laparoscopic surgery is known to be more taxing on the surgeon than non-laparoscopic procedures. Occupational injury reports range from 20% to 30%.
- Case volume was highly correlated with the symptom frequency and severity, although eye and back symptoms were consistently reported even with low case volumes.
- **Potential mishaps from physical discomfort during a procedure may prompt hospital administrators to approve the purchase of a surgical robot, which would lessen the physical strain on surgeons.**
- **Surgical robot companies Intuitive Surgical (ISRG) and Mako Surgical (MAKO) would see the most benefit from such a trend.**

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