The Future of Robotics in General Surgery

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The Evolution of Surgery

Access

Computer Assisted Surgery

Computer Assisted Systems
Evolution of Surgery

Da Vinci Case Volumes


Robotic Hernia Repair

Rectal Cancer Surgery


Da Vinci CBDE

Cost of Care

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Case Distribution

Surgical Stress

Surgical Fatigue Syndrome
“...surgical performance during endoscopic surgery declines after a variable but finite time – on average about 4 hours.”


Surgical Stress


Surgical Stress


Robotic Systems

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Robotic Systems

Computer Assisted Systems

Near Infrared Fluorescence

Image Augmented Surgery


Robotic Systems

Robotic Systems – Verb

“We think what’s available today is really the model that’s more like the mainframe computer 50 years ago, we intend to go to the iPad version.”

“We can see a future in which the surgeon is no longer isolated in the OR, but through our system we’ll be able to connect to critical data, imaging, and diagnostic information. Information that will help a surgeon make the best, most accurate decisions as and when they are needed.”
Conclusions

1. You are already doing computer assisted surgery
2. The technology is going to get even more amazing
3. So do you need a robot?