

## Clinical Efficacy

Studies show that the *da Vinci*® Surgical System allows surgeons to provide better clinical outcomes and redefine standards of care.

### Urology: Comparison of Open Prostatectomy, Laparoscopic and *da Vinci* Prostatectomy

	Open	Laparoscopic	<i>dVP</i>
<b>Patients</b>	100	50	<b>100</b>
<b>Operative Time (Min.)</b>	164	248	<b>140</b>
<b>Blood Loss (mL)</b>	900	380	<b>&lt;100</b>
<b>Cancer Remaining</b>	24%	24%	<b>5%</b>
<b>Complications</b>	15%	10%	<b>5%</b>
<b>Catheter, Days</b>	15	8	<b>7</b>
<b>Hospitalization (Days)</b>	3.5	1.3	<b>1.2</b>

Menon M. Robotic radical retropubic prostatectomy. *BJU Int.* 2003 Feb;91(3):175-180.

### Cardiac: Comparison of Relevant Clinical Variables for Mitral Valve Repair (MVR)

	2001 STS Nat'l Database Sternotomy MVR	<i>da Vinci</i> MVR Multi-center Trial
<b>Patients</b>	893	<b>112</b>
<b>Mortality</b>	2.2%	<b>0%</b>
<b>Major Complications</b>	13.1%	<b>9.8%</b>
<b>Neurological Complications</b>	2.4%	<b>0%</b>
<b>Hospitalization (Days)</b>	8.5	<b>4.7</b>

STS and *da Vinci* multi-center trial data on file. See also Tatooles, A. *da Vinci* Robotic Mitral Valve Repair: Outpatient Procedure? Presented at the Society for Thoracic Surgeons 39<sup>th</sup> Annual Meeting, [www.sts.org/2003webcast/shows/tatooles/tatooles.html](http://www.sts.org/2003webcast/shows/tatooles/tatooles.html).

### General: Comparison of Laparoscopic and *da Vinci* Heller Myotomy

	Laparoscopic*	<i>da Vinci</i> Heller Myotomy <sup>†</sup>
<b>Patients</b>	100	<b>54</b>
<b>Mucosal Perforation</b>	8%	<b>0%</b>
<b>Relief from Dysphagia</b>	93%	<b>93%</b>
<b>Post-op GERD (heartburn)</b>	34%	<b>19%</b>
<b>Post-op lower esophageal sphincter pressure (LESP)</b>	22 ± 2 mm Hg	<b>7.1 ± 3.8 Hg</b>
<b>Average Operation Time (Min.)</b>	110-144 ±7	<b>162 (average of all patients, range = 62-210); 90 post learning-curve - last 10 cases</b>

\*Sharp KW, Khaitan L, Scholz S, Holzman MD, Richards WO. 100 consecutive minimally invasive Heller myotomies: lessons learned. *Ann Surg.* 2002 May;235(5):631-8; discussion 638-9.

<sup>†</sup>Unpublished paper on file, submitted by Santiago Horgan, MD, University of Illinois, Chicago.

*While clinical studies support the use of the *da Vinci*® System as an effective tool for minimally invasive surgery, individual results may vary. Always ask your doctor about the risks and benefits of all available treatment options.*

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