

Appendix.

	Quantity	Costs			Charges
		Direct Costs to Hospital	Cost or Case	Cost (Medicare Reimbursement)	Hospital Billing
Hospital Costs or Charges					
Room and board per day laparotomy					\$899.00 per day
Room and board per day robotic or laparoscopic*					\$409.00 per day
Preoperative holding area					\$95.00 per case
Laparotomy surgeon professional fee (58200)				\$1,164.00	
Laparoscopy or robotic surgeon professional fee (58571 & 38572)				\$1,325.00	
Anesthesia professional fee (CPT 00840)				\$19.23 (conversion factor) x 6 base units per 15 minutes or time	
Anesthesia set-up fee					\$341.00
Laparotomy or set-up fee					\$1,085.00
Laparoscopy and robotic or set-up fee					\$1,381.00
Operating room charge per minute					\$8.31 per minute
Anesthesia charge per minute					\$2.57 per minute
1 Unit packed RBC's (2 units transfused)					\$195 per unit
Postanesthesia care unit laparotomy					\$404 per case
Postanesthesia care unit laparoscopy or robotic					\$216 per case
daVinci S HD Acquisition and maintenance					
Acquisition cost		\$1.65 million			
Maintenance per year x 6 years (years 2-7)		\$149,000 per year			
Pharmacy					
Hydromorphone 30mg PCA Tube		\$10.65			
Oxycodone 5mg tablet		\$1.13			
Odansetron HCL 4mg IV		\$1.11 per			
Phenergan 50mg IV		\$1.64 per dose			
Intravenous saline, 500ml		\$0.31 per dose			
Colace 100mg tablets		\$0.04 per dose			
Disposable equipment costs					

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	Quantity	Costs			Charges
		Direct Costs to Hospital	Cost or Case	Cost (Medicare Reimbursement)	Hospital Billing
Robotic disposable equipment items					
Custom Pack, Robotic	1	\$313.86	\$313.86		
Linen packet c gowns (2-3)	2	\$17.01	\$34.02		
Gloves	20	\$0.89	\$17.80		
Basin	1	\$10.59	\$10.59		
Patient Bovie Pad	1	\$3.05	\$3.05		
Bovie	1	\$2.63	\$2.63		
SCD tubing	2	\$18.43	\$36.86		
SCDs	1	\$38.41	\$38.41		
Electrolube solution	1	\$21.00	\$21.00		
Instrument arm drapes (20 per box)	3	\$900.00	\$135.00		
Camera drape (20 per box)	1	\$500.00	\$25.00		
Camera arm drape (20 per box)	1	\$590.00	\$29.50		
Uterine manipulator (VCARE, Conmed Corp., Utica, NY)	1	\$75.00	\$75.00		
Foley catheter	1	\$2.01	\$2.01		
VersaStep sleeves (Covidien, Mansfield, MA)	2	\$47.70	\$95.40		
VersaStep Veress needle (Covidien, Mansfield, MA)	1	\$19.80	\$19.80		
VersaPort plus v2 5-12mm trocars (Covidien, Mansfield, MA)	2	\$50.70	\$101.40		
CO ₂ tubing	1	\$42.90	\$42.90		
Smoke evacuator	1	\$22.77	\$22.77		
Laparotomy sponge 5-pack	1	\$1.25	\$1.25		
Suction irrigator	1	\$63.50	\$63.50		
Bladeless 8mm oburator	1	\$25.00	\$25.00		
robotic cannula seals	3	\$15.00	\$45.00		
Robotic needle driver (10 uses per instrument)	1	\$2,200.00	\$220.00		
Robotic hot shears (10 uses per instrument)	1	\$3,200.00	\$320.00		
Bipolar forceps (10 uses per instrument)	1	\$2,700.00	\$270.00		
Double fenestrated (10 uses per instrument)	1	\$2,000.00	\$200.00		
Fascial closure device (Endo Close, Covidien,	1	\$23.52	\$23.52		

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	Quantity	Costs			Charges
		Direct Costs to Hospital	Cost or Case	Cost (Medicare Reimbursement)	Hospital Billing
Mansfield, MA)					
GU 46 Polysorb 0	2	\$1.44	\$2.88		
GS21 Polysorb 0	1	\$2.79	\$2.79		
Biosyn 4-0 30in	2	\$2.79	\$5.58		
Steri-strips	1	\$3.52	\$3.52		
Robotic disposable equipment total			\$2,210.04		
Laparoscopic disposable equipment items					
Lap/abd custom pack	1	\$56.39	\$56.39		
Linen packet c gowns (2-3)	1	\$17.01	\$17.01		
Gloves	10	\$0.89	\$8.90		
Basin	1	\$10.59	\$10.59		
Patient Bovie pad	1	\$3.05	\$3.05		
Bovie	1	\$2.63	\$2.63		
SCD tubing	2	\$18.43	\$36.86		
SCDs	1	\$38.41	\$38.41		
Smoke evacuator	1	\$22.77	\$22.77		
CO ₂ Tubing	1	\$42.90	\$42.90		
Laparotomy sponge 5-pack	1	\$1.25	\$1.25		
Uterine manipulator (VCARE, Conmed Corp, Utica, NY)	1	\$75.00	\$75.00		
Suction irrigator	1	\$63.50	\$63.50		
Foley Catheter	1	\$2.01	\$2.01		
VersaStep sleeves (Covidien, Mansfield, MA)	3	\$47.70	\$143.10		
VersaStep Veress needle (Covidien, Mansfield, MA)	1	\$19.80	\$19.80		
VersaPort plus v2 5-12mm trocars (Covidien, Mansfield, MA)	1	\$50.70	\$50.70		
VersaStep 5mm Trocar (Covidien, Mansfield, MA)	2	\$59.85	\$119.70		
Endograspers (Endo Grasp 5 mm, Covidien, Mansfield, MA)	2	\$61.16	\$122.32		
Endoshears (Endo Shears Long 5 mm, Covidien, Mansfield, MA)	1	\$62.38	\$62.38		
Ligasure V vessel sealer (Covidien, Mansfield, MA)	0.5	\$395.00	\$197.50		

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	Quantity	Costs			Charges
		Direct Costs to Hospital	Cost or Case	Cost (Medicare Reimbursement)	Hospital Billing
Fascial closure device (Endo Close, Covidien, Mansfield, MA)	1	\$23.52	\$23.52		
GU 46 Polysorb 0	2	\$1.44	\$2.88		
GS21 Polysorb 0	2	\$2.79	\$5.58		
Biosyn 4-0 30in	2	\$2.79	\$5.58		
Steri-strips (3M, St. Paul, MN)	1	\$3.52	\$3.52		
Laparoscopic disposable equipment total			\$1,137.85		
Abdominal disposable equipment items					
Abdominal major custom pack	1	\$56.39	\$56.39		
Linen packet c gowns (2-3)	1	\$17.01	\$17.01		
Gloves	10	\$0.89	\$8.90		
Patient Bovie Pad	1	\$3.05	\$3.05		
Bovie	1	\$2.63	\$2.63		
SCD tubing	2	\$18.43	\$36.86		
SCDs	1	\$38.41	\$38.41		
Foley Catheter	1	\$2.01	\$2.01		
Laparotomy sponge 5-pack	6	\$1.25	\$7.50		
Basin	1	\$10.59	\$10.59		
0 Polysorb	10	\$1.17	\$11.70		
2-0 Polysorb	2	\$1.24	\$2.48		
Abdominal disposable equipment total			\$197.53		

OR, operating room; RBCs, red blood cells; HD, high definition; PCA, patient-controlled analgesia; IV, intravenous; HCl, hydrochloric acid; IV, intravenous; SCD, sequential compression device.

*First 24 hours charged at outpatient rate of \$17/hour (\$409/day); after 24 hours, \$37/hr (\$899/day) inpatient rate was applied.

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