



MP74-15

# Optimizing the Financial Burden of Robot-Assisted Radical Prostatectomy

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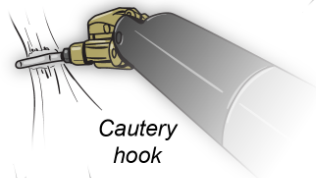
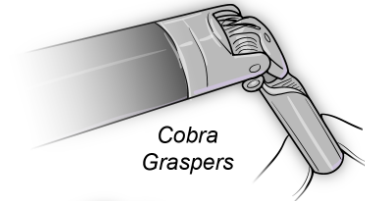
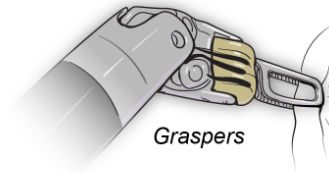
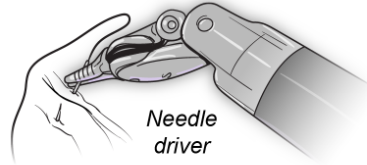
Roswell Park Comprehensive Cancer Center, Buffalo, NY

# Introduction

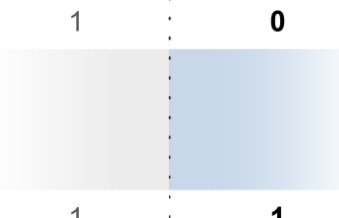
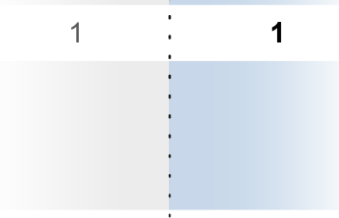
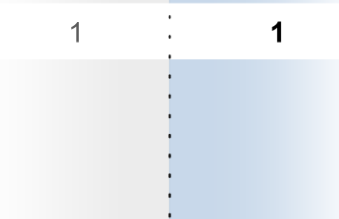
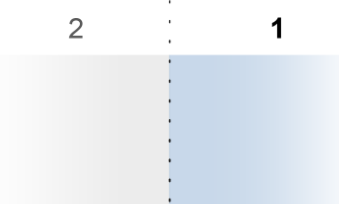
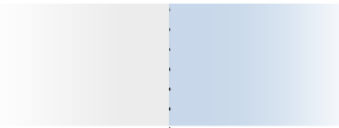
Analyze variable costs of RARP

Determine effect of Cost-reduction Plan on Perioperative Outcomes and Cost savings.

## Robotic Instruments



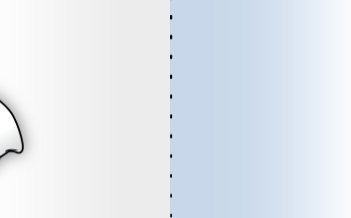
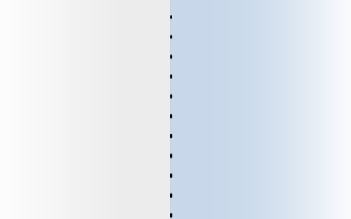
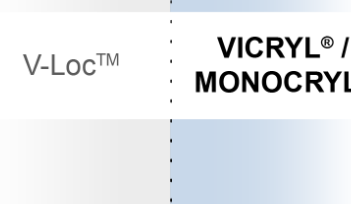
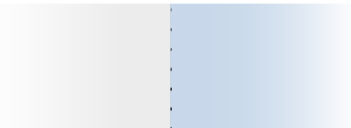
Before After



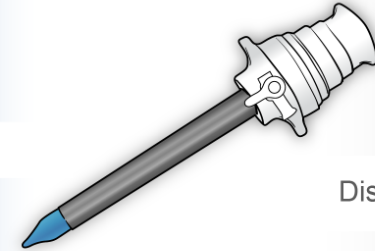
## Surgical Supplies



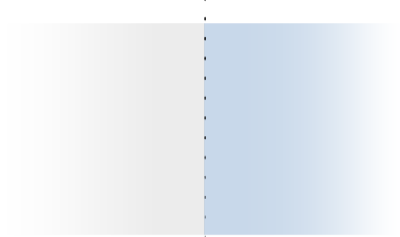
Before After



## Trocars



Disposable Reusable



# Results

- Retrospective cases (n=40) versus Prospective cases (after cost reduction plan) (n=32).
- No significant difference in patient and disease characteristics.
- No significant difference in operative outcomes, blood loss and complications.

Net Saving Per Case (\$)				
Variable	Estimate	Lower CI	Upper CI	p-value
Robotic Instruments	\$288	\$227	\$348	<0.01
Surgical Supplies	\$73	\$1	\$144	0.05
Trocar	\$110	\$57	\$162	<0.01
Total Medical Supplies*	\$471	\$438	\$503	<0.01
Anesthesia Costs**	\$36	\$5	\$66	0.03
Console Costs***	\$198	\$145	\$250	<0.01
<b>Net Saving of Total Variable Costs</b>	<b>\$705</b>	<b>\$661</b>	<b>\$748</b>	<b>&lt;0.01</b>

Note. \*Total Medical Supplies = Robotic Instruments + Surgical Supplies + Trocar, \*\* Anesthesia Cost billed in 15-minute increments, \*\*\*Console Costs billed in 15 minute increments.

# Conclusion

- Our cost reduction plan resulted in a net saving of \$705 per case, without compromising perioperative outcomes.