

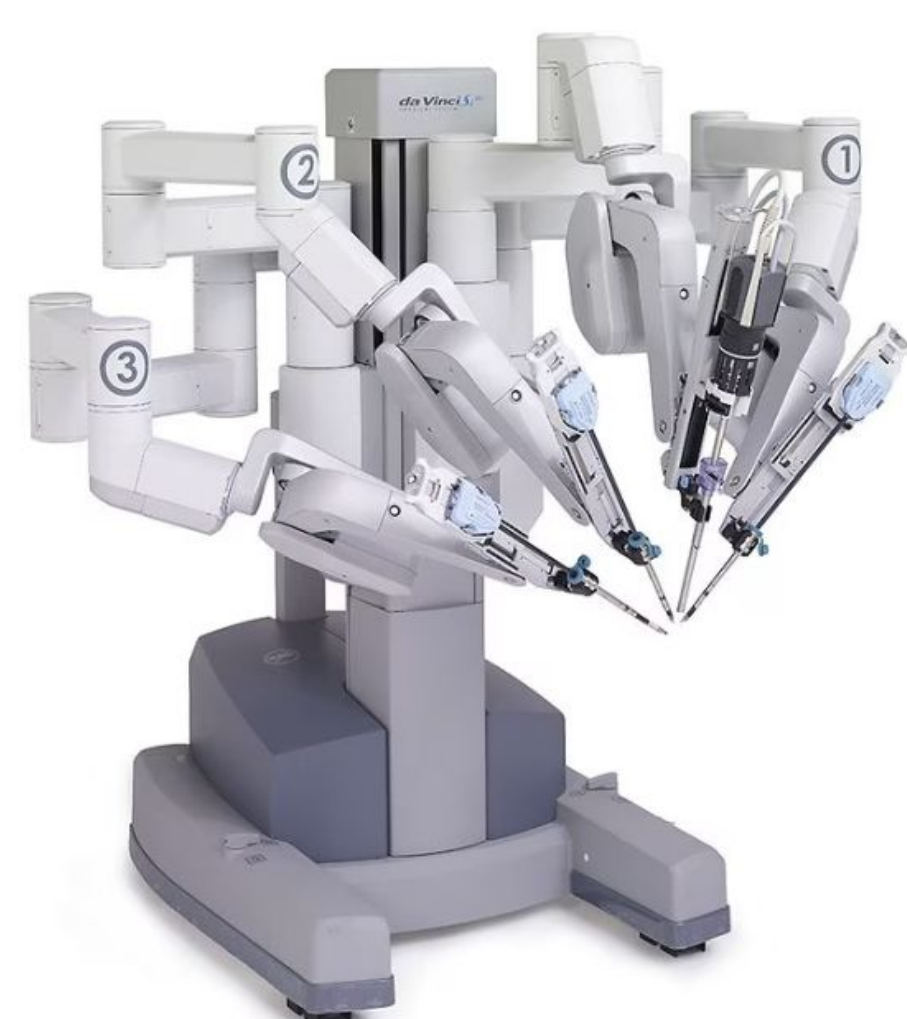
Urologist Experiences with Outpatient Radical Prostatectomy in Michigan

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Introduction

Robotic assisted radical prostatectomy (RARP) is a common urological surgery conducted for prostate cancer that is typically followed by hospital admission. Same-Day Discharge (SDD) for RARP has started gaining traction in the US and in the state of Michigan as an alternative to hospital admission following RARP.



Da Vinci Robot, often used in RARP

Aims and Objectives

- Improved understanding of urologist experiences performing outpatient RARP in Michigan
- Demographic analyses of urologists in Michigan who perform RARP
- Understanding the factors that increase or decrease the desire for urologists in Michigan to perform outpatient RARP

Methods

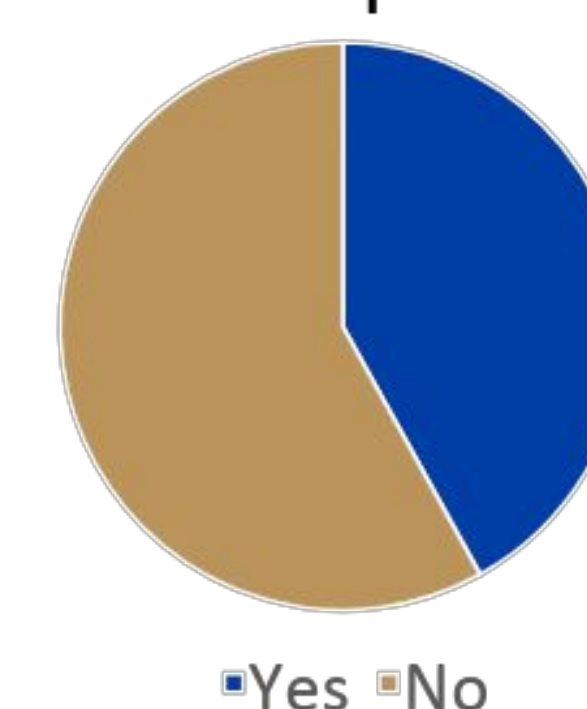
- IRB-approved anonymous Qualtrics survey distributed to Michigan Urologic Surgeons Improvement Collaborative
- 31 Total survey responses
- Demographics regarding urologist training, practice setting, RARP volume
- Collection of factors that would make them more or less likely to perform SDD for RARP.

Demographics

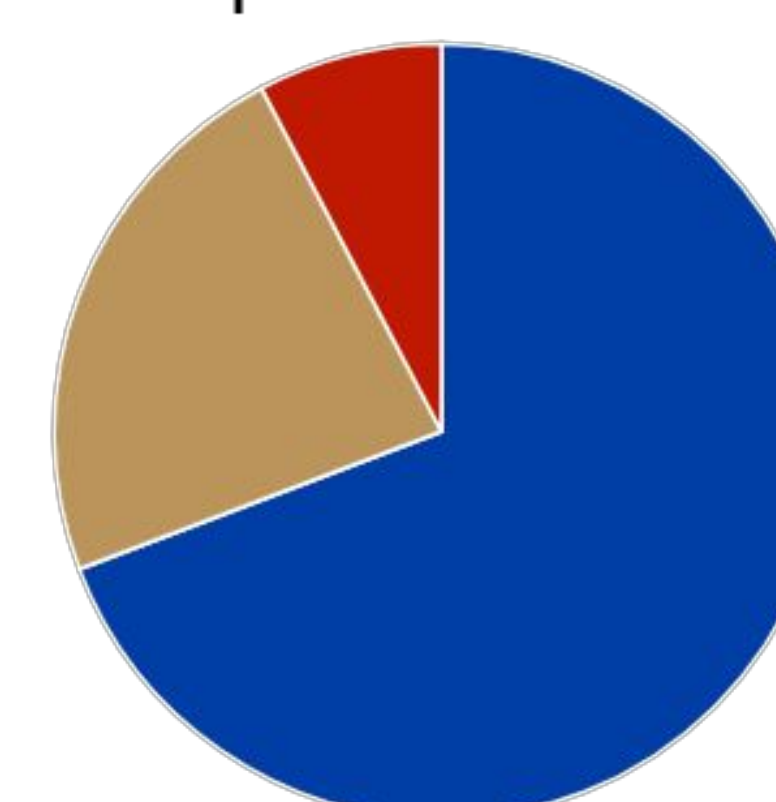
Years of Experience	
< 5 years	5
11-20 years	6
21-30 years	9
> 30 years	11
Practice Setting	
Rural	2
Urban	6
Suburban	23
Fellowship Trained	
Yes	20
No	11
First Assist	
Staff Physician	5
Resident	1
Midlevel	16
Surgical Tech	8
Other	1
RARP Volume by Year	
Under 10	4
11-25 cases	7
26-50 cases	11
51-75 cases	4
75+ cases	4

Results

Urologists who have performed Outpatient RARP



Favorability Experience among Urologists performing Outpatient RARP



Factors that increase desire to perform outpatient RARP

- Age <65
- BMI <30
- No history of surgical complications

Factors that decrease desire to perform outpatient RARP

- History of Hypertension
- History of Hyperlipidemia
- History of Type 2 Diabetes

Conclusions

- SDD continues to be an option for urologists performing RARP on patients with prostate cancer.
- While some urologists are offering SDD for RARP in Michigan, it still does not remain as popular as traditional hospital admission.
- The majority of urologists who have offered SDD for RARP have had favorable experiences.
- Future studies for RARP patients may clarify whether SDD for RARP will become more widespread.

References

- Benkhadra K, Adusumalli J, Rajjo T, Hagen PT, Wang Z, Murad MH. A survey of health care needs of physicians. *BMC Health Serv Res*. 2016;16(1):472. Published 2016 Sep 6. doi:10.1186/s12913-016-1728-4
- Dyche DJ, Coffey M, Sarle R, et al. Insight into current surgical techniques and practice patterns associated with robotic-assisted radical prostatectomy: a national survey of urologists within the USA. *J Robot Surg*. 2010;4(2):103-108. doi:10.1007/s11701-010-0193-z

Acknowledgements

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