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***Abstract*—The abstract goes here.**

I. Introduction

Surgical robotics has evolved quickly since the 1980's and will continue to do so in the future [cite taylor medical 2008]. In some areas, it has even become an essential technology [cite sivaraman robotics 2015]. Although robot assisted minimally invasive surgery (RAMIS) is at worst as effective and at best lowers injury, complication, and death rates significantly compared to conventional surgery, errors still occur [cite razmaria does 2014, punnen how 2013, sung oncologic 2016, raza long-term 2015]. Alemzadeh et al found that around 17.4% of deaths during RAMIS occurred during the operation, and 7% were due to staff mistakes. The majority of injuries were caused by device malfunction, but a not insignificant amount were due to staff errors (see Figure I) [cite alemzadeh adverse 2016].

Injury Reports (Total = 410)	
Example Causes	**Number of Reports (%)**
Device malfunctions	254 (62.0%)
Surgeon/staff mistake	29 (7.1%)
Improper positioning of the patient	17 (4.1%)
Inherent risks of surgery and patient history	16 (3.9%)
Burning of tissues near port incisions	9 (2.2%)
Passing of currents through instruments	6 (1.5%)
Surgeon felt shocking at the surgeon-side console	2 (0.5%)
N/A	77 (18.8%)

TABLE I
MY CAPTION

According to Alemzadeh et al, one key area of RAMIS that may be improved is the "human-machine interfaces and surgical simulators that train surgical teams for handling technical problems". Other researchers suggest a variety of methods to reduce injury numbers, such as dry lab training, simulated emergency handling, including in virtual reality (VR), and even a complete remodeling of operating theaters [cite liberman training 2011, huser simulated 2014, ahmad ambulatory 2016, abelson virtual 2015]. These all suggest that more training is beneficial to reduce error rates.

During an interview with, and observation of, Jane Petersson, First Nurse Assistant and Nurse Specialist in Robotic Surgery at Aalborg University Hospital and MinimalInvasiv UdviklingsCenter (Minimally Invasive Education Centre, MIUC), she stated that some of the most important aspects of RAMIS are routine and training, especially as part of a team. This claim is substantiated by several studies [cite moorthy qualitative 2004, chandra comparison 2010], showing clear improvements for experienced surgeons, but also a significant learning curve.

We, together with Jane Petersson, believe this can be extended to team training in VR as shown by Abelson et al in conventional surgery [cite abelson again] and Huser et al simulating full surgery teams doing emergency fibrillation. VR training has the benefits of being cost-effective compared to regular RAMIS training (10,000 DKK per person), at the cost of reduced accuracy, as well as enabling concurrent multi-user functionality in different locations. This would allow surgeons and nurses to train certain scenarios at their work or at home instead of travelling to certified institutions.

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II. Methods

How did we solve the problem

III. Results

What did we find out

IV. Conclusion

What does it mean

Acknowledgment

The authors would like to thank...

References

[1] H. Kopka and P. W. Daly, *A Guide to LaTeX*, 3rd ed. Harlow, England: Addison-Wesley, 1999.