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Touch Surgery™

Surgeon and Administrator Attitudes towards Surgical Video Management

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1. Introduction

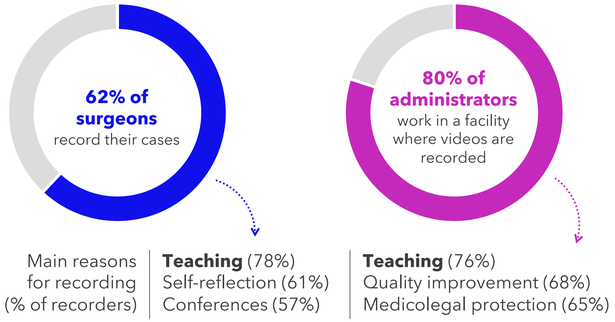
Recent technological advancements have improved how surgical video footage is managed, potentially freeing up hours of surgeons' time per month.

This study evaluates current attitudes and usage of surgical video recording, through a survey of surgeons and surgical administrators.

2. Methodology

- We surveyed **201 surgeons** and **102 surgical administrators** in the US and Europe. A structured questionnaire was given, which queried their current video recording practices.
- Additionally, the structured questionnaire tested attitudes towards a blinded concept describing a generic new surgical video recording product.
- Respondents were asked to read through the descriptions, then answer questions on how the product could impact their current recording habits or the recording habits of other surgeons at their institution.

3. Current recording habits

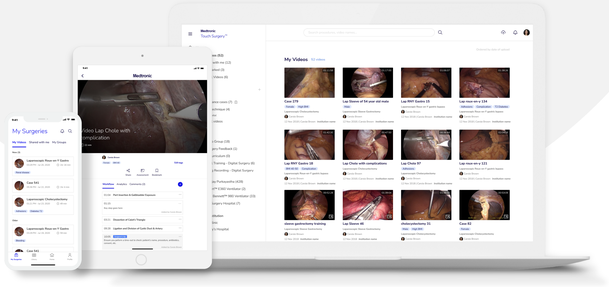


Main reasons for recording (% of recorders)		
	Teaching (78%)	**Teaching** (76%)
	Self-reflection (61%)	Quality improvement (68%)
	Conferences (57%)	Medicolegal protection (65%)

- Surgeons estimate recording 31.5% and 50% of their laparoscopic and robotic cases, respectively.
- Administrators estimate that 50% of laparoscopic and robotic cases are recorded at their institutions.

Touch Surgery™ Ecosystem

Touch Surgery™ Ecosystem is a cloud-based solution to store, annotate and disseminate surgical video data, designed to allow surgical professionals to have access anytime, anywhere to training materials and videos of previous cases.



4. Comparison to current solutions

When comparing the blinded concept with their current video solutions (typically involving physical data transfers with USB drives or similar devices):

79% of surgeons
find the product **appealing**

91% of administrators
find the product **appealing**

90% of surgeons
who record their cases believe that the product would make recording **easier than their current solution**

89% of administrators
who work in a facility where videos are recorded believe that the product would make recording **easier than their current solution**

5. Potential time savings

93% of surgeons
who record their cases believe that the product would **save time** in managing videos

94% of administrators
who work in a facility where videos are recorded believe that the product would **save time** for their surgeons

Surgeons expect the product could **save 5-15 minutes per video** on average, on tasks like:

- uploading laparoscopic footage to a computer
- finding sections of interest
- editing the video
- sharing videos with others

Currently, surgeons estimate that they spend over 30 minutes on average per video doing these tasks .

Surgeons spend an average of 176 minutes monthly working on videos. They estimate that the product could save them up to 120 minutes.

6. Conclusions

- Surgical video recording is widely practiced. Surgeons record between a third to half of their cases but managing and utilizing video data is a laborious manual process with a significant time cost.
- Managing surgical videos using novel technological solutions offers considerable time savings. Technology such as the described product can help users more easily accomplish their intended goals, such as teaching, self-reflection, quality improvement, or medicolegal protection.

Touch Surgery™ is not intended to direct surgery, or aid in diagnosis or treatment of a disease or condition.

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