



## IUCD insertion instructional video-low cost demonstration video versus animated video

Ng LP<sup>1,3</sup>, Koh EYL<sup>2</sup>, Ma Zar<sup>1,3</sup>, Lee Jiaying<sup>1</sup>, Lim JHP<sup>1</sup>  
<sup>1</sup>SingHealth Polyclinics Singapore; <sup>2</sup>SingHealth Polyclinics-Research, Singapore  
<sup>3</sup>SingHealth-Duke NUS Family Medicine Academic Clinical Programme, Singapore

### Introduction

Instructional video has been shown to be useful for clinical procedural training. It allows visualization and conceptualization of the procedure. Animated video is however costly and resource intensive to create.

The Nova T IUCD device was newly introduced at our institution. The steps for insertion for Nova T IUCD is significantly different from the previous device (Multiload copper IUCD). An online E-learning module was created to train both doctors who had not performed the IUCD insertion procedure previously and doctors experienced in insertion of the Multiload copper IUCD.

The E-learning module included animated video clips and low cost self-recorded demonstration video clips on steps for Nova T IUCD insertion.

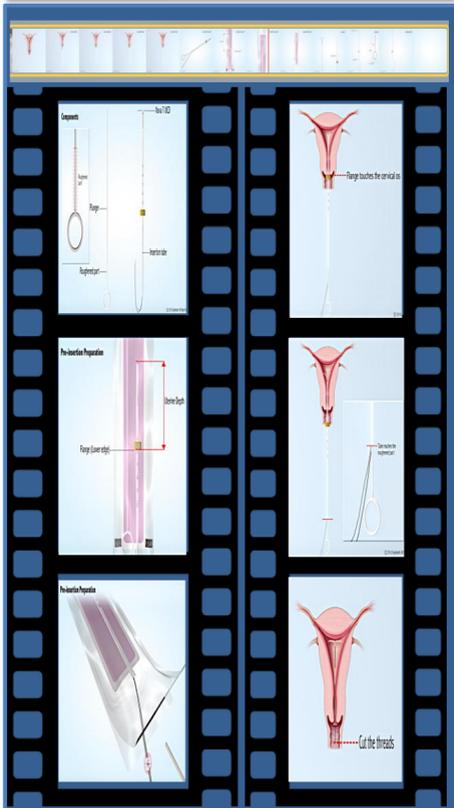
We explore our learners' perceived usefulness of a low cost self-recorded demonstration video and a high cost animated video for the procedure of Nova T IUCD insertion.

### Methods

A total of 57 primary care physicians, aged 27 to 50, completed the E-learning module. An online questionnaire survey was administered. Learners were asked to select the video clip they find most useful for their learning. They were allowed to select more than one option.

A total of 54 learners responded to the survey yielding a response rate of 95%.

### Animated video-clip on insertion of IUCD device

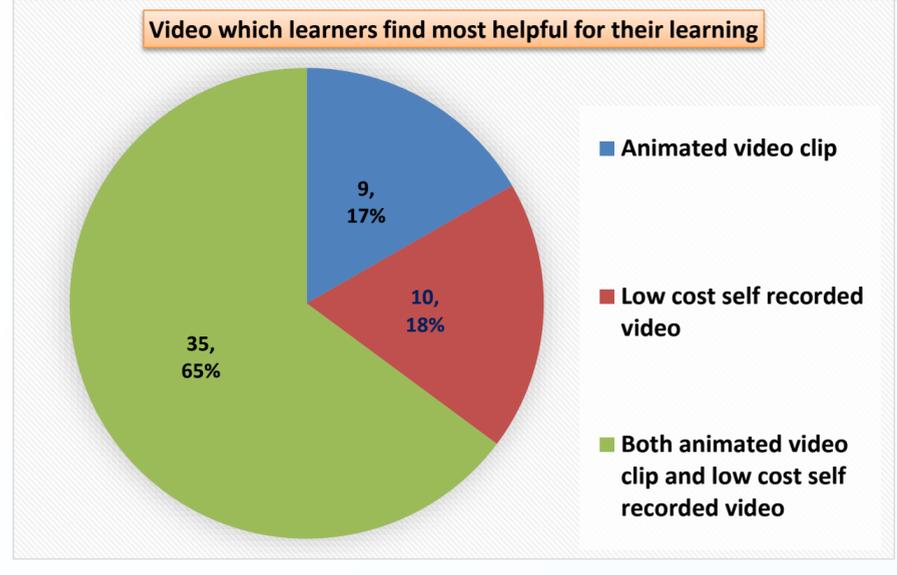


### Low cost self-recorded demonstration video

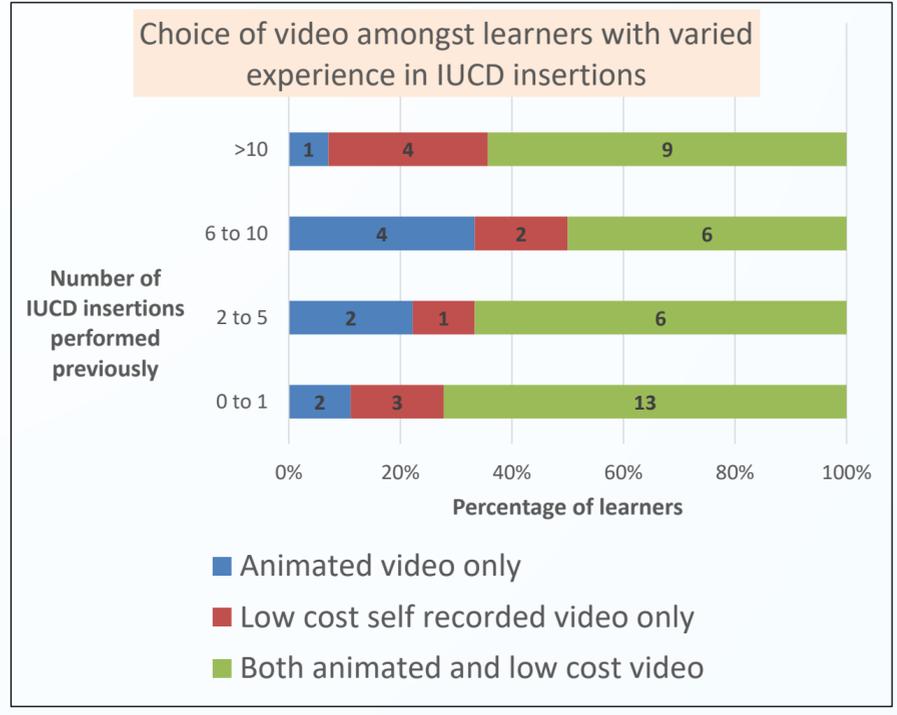


### Results

Most learners, 35/54 (64.8%) of respondents, find both animated video clips and low cost self-recorded demonstration video clips helpful for their learning. The number of learners who chose low cost self-recorded video to be most helpful for their learning was similar to the number of learners who chose animated video clip.



Amongst experienced learners who had inserted more than 10 IUCDs previously, there was a preference for low cost video, although it was not statistically significant between the groups. (p= 0.626)  
 There was no difference in the choice of video between the 2 age groups; below 35 and those 35 and older.



### Conclusion

Animated video clip is appealing with its professional look and is able to provide intricate details of the procedure. Low cost self-recorded instructional video, however, provides realistic real-life demonstration. It is easily produced with minimal cost.

Low cost self-recorded instructional video can be considered for office procedural skill training. It may be equally appealing for learners of all age groups.