

# The Comparison of Satisfaction of the 5<sup>th</sup> Year Medical Student on Orthopedic Topics Between Studying from Learning Management System and from Live Interactive Online Classes



**Suriya Luenam, Arkaphat Kosiyatrakul**

Department of orthopedic surgery, Phramongkutklao college of medicine,  
317 Ratchawithi Rd, Khwaeng Thung Phaya Thai, Ratchathewi, Bangkok, 10400, Thailand  
Corresponding author's e-mail: Luenam\_Suriya@yahoo.com

## Background

During the classroom closures as part of measures to control the spread of Covid-19, Department of orthopedic surgery of Phramongkutklao college of medicine has changed the learning teaching method to be completely online. The object of this study is to compare the students' satisfaction between the different online teaching methods.

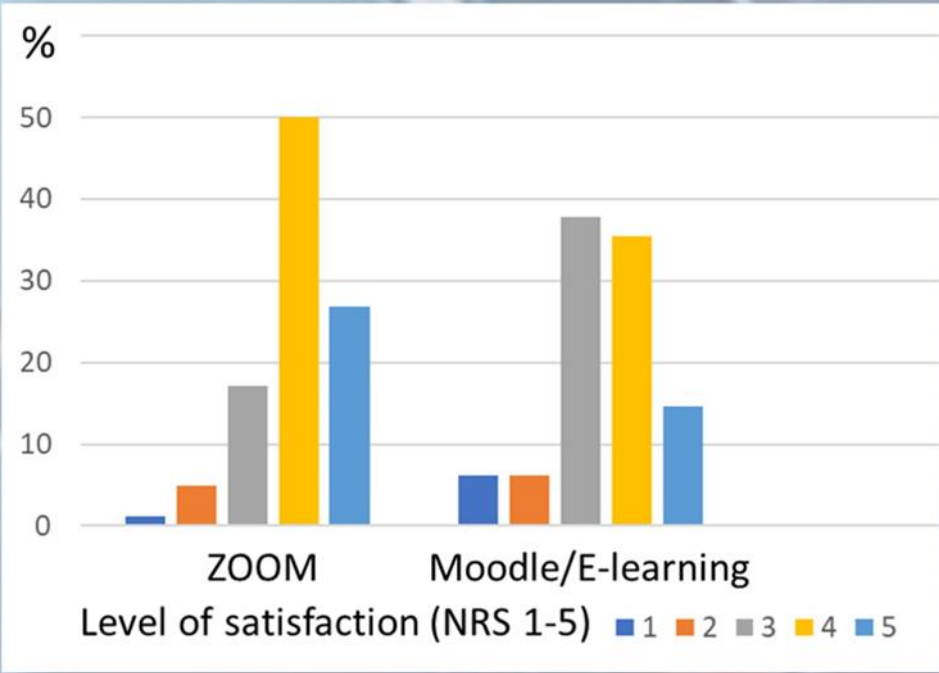
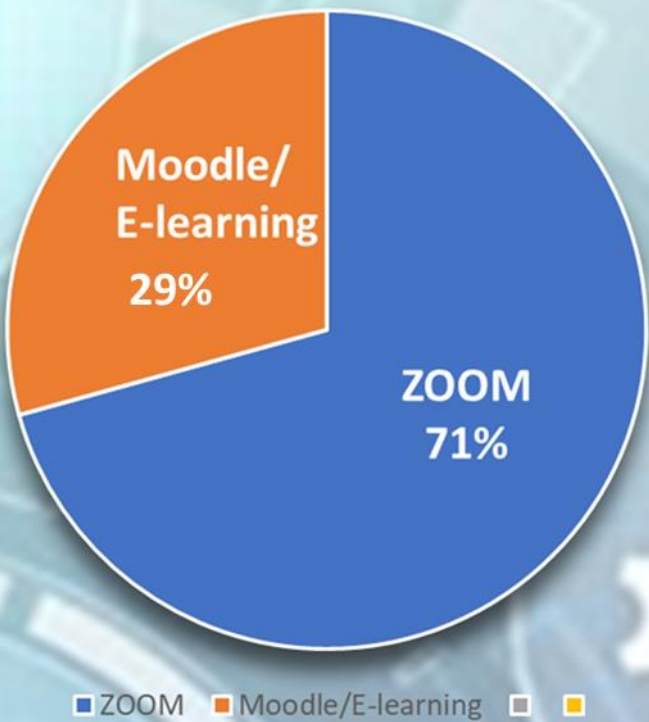
## Summary of work

The 5<sup>th</sup> year Medical students on 1-week orthopedic rotation had studied topics from learning management system (Modular Object Oriented Dynamic Learning Environment (Moodle)) and from live interactive online classes (Zoom Video Communication). Comparison between both methods was performed using satisfaction questionnaire and comments.

## Results

Eighty-two medical students were participated in this study. Seventy-one percent prefers live interactive online classes while 29 percent prefers studying from the learning management system. The majority rated a good level of satisfaction with online live teaching and a fair level of satisfaction with studying through learning management system, accounted, respectively, for 50% and 37.8% of medical students. The main reason to choose live interactive online classes is the ability to stimulate and attract attention from interaction with the teacher whereas the repeatability is the most important reason to select the learning management system.

Comparison of Satisfaction



## Discussion and conclusion

The different online teaching methods of orthopedic topic during the Covid-19 outbreak provide the different students' satisfaction. Studying from live interactive online classes was preferable than from learning management system. The additional study should focus on comparison of the learning achievement between both methods.

**Take-home message**  
*The different online teaching methods affect students' satisfaction*