

Supplementary materials

Supplement 1. Differences in Perception of Online Anesthesiology Learning between Thai Medical Students and Teachers during the COVID-19 Pandemic (English translation of the original Thai)

Questionnaire for medical students and medical teachers

Based on five dimensions of student satisfaction in online learning (1) content, (2) system, (3) learner, (4) instructor, and (5) interaction. Adapted from Elshami W, Taha MH, Abuzaid M, Saravanan C, Al Kawas S, Abdalla ME. Satisfaction with online learning in the new normal: perspective of students and faculty at medical and health sciences colleges. *Med Educ Online.* 2021;26(1):1920090 [10]; Tuma F, Nassar AK, Kamel MK, Knowlton LM, Jawad NK. Students and faculty perception of distance medical education outcomes in resource-constrained system during COVID-19 pandemic: a cross-sectional study. *Ann Med Surg (Lond).* 2021;62:377-382 [15].

1. Participant characteristic

- Gender: male, female, not applicable
- Age (year):
- Online learning experience: yes, no
- Number of devices:
- Type of device: smartphone, desktop computers, laptops, tablets, others

2. Perception of online learning (strongly disagree, disagree, agree, strongly agree)

- Teaching process [aims to evaluate interaction dimension]
 - Theoretical teaching []
 - Problem-based learning []
 - Feedback and response system []
 - Knowledge evaluation []

- Support system [aims to evaluate system dimension]

- Information support []

- Technological support []

- Device and connectivity []

- Learning materials []

- Learning outcomes [aims to evaluate content dimension]

- Clinical practice readiness []

- Critical thinking []

- Long-term memory []

- Enthusiasm []

- Professionalism []

- Clinical application []

- Positive environment []

- Effective time management []

3. Satisfaction with online learning; I am satisfied with the following (strongly disagree, disagree,

neither agree nor disagree, agree, strongly agree)

- Overall course []

- Teaching process []

- Online evaluation techniques []

4. Online learning preference (strongly disagree, disagree, agree, strongly agree)

- I preferred online learning over onsite learning []