

Attachment 3: Evaluation

Dear students,

I would like to invite you to complete the following questionnaire as part of my doctoral thesis. Your data will be treated confidentially. The evaluation and publication of the results will be anonymous.

Please consent to data processing so that I can use the data. You can withdraw your consent at any time by sending an email to: susanne.kuehl@uni-ulm.de.

You would be very supportive if you complete the questions conscientiously. Please do NOT look for the answers on the Internet while filling out the form.

Thank you for your participation!

General information

I consent to data processing and data transfer for teaching research purposes by the Medical Faculty of the University of Ulm.

☐ yes

☐ no

In order to ensure an anonymous allocation of the data from both surveys, please proceed as follows:

(For umlauts such as ä, ö, ü please write ae, oe, ue, twins can add a "1" for the older twin and a "2" for the younger twin in the "Place of birth" field)

... Please enter the first letter of your place of birth here (e.g., U for Ulm):

... Please enter the first letter of your mother's first name here (e.g., M for Monika):

... Please enter the first letter of your father's first name here (e.g., K for Karl):

... Please enter of your mother's birth month in numbers (two digits, e.g., 06 for June):

The simulation took place in the:

☐ TTU

☐ normal seminar room

General information

Please enter your age:

I have already completed training in a medical-related field (with/without professional work experience) (total duration >1 year) [16].

☐ yes ☐ no

I have already completed a degree (prior to human medicine)?
(total duration >1 year)[16]

☐ yes ☐ no

Gender

☐ male ☐ female ☐ other ☐ not specified

Which statement applies to your role in the seminar? [16] (TTU)

- ☐ I was a physician
- ☐ I was an observer **in the streaming room with video transmission**
- ☐ I was an observer **in the observation room behind the one-way mirror**

I was assigned to the student group with the following role [16] (seminar room)

- ☐ Physician
- ☐ Observer

1. The training hospital "TTU" played a role in my choice of Ulm as a study location.

Strongly disagree

☐
☐
☐
☐
☐

Strongly agree

☐

2. The TTU meets my expectations.

Strongly disagree

☐
☐
☐
☐
☐

Strongly agree

☐

Motivation questions

3. Before today's simulation, my motivation in my medical studies was high [16].	Strongly disagree	☐	☐	☐	☐	☐	Strongly agree
4. Before today's simulation, my interest in biochemistry was high [16].	Strongly disagree	☐	☐	☐	☐	☐	Strongly agree
5. Today's simulation increased my motivation in my medical studies [16].	Strongly disagree	☐	☐	☐	☐	☐	Strongly agree
6. Today's simulation increased my interest in biochemistry [16].	Strongly disagree	☐	☐	☐	☐	☐	Strongly agree

Perception questions

7. I was able to observe the actors' facial expressions and body language during the simulation.	Strongly disagree	☐	☐	☐	☐	☐	Strongly agree
8. The simulation put me in a realistic situation [16].	Strongly disagree	☐	☐	☐	☐	☐	Strongly agree
9. I was able to acoustically hear the simulation.	Strongly disagree	☐	☐	☐	☐	☐	Strongly agree
10. I felt like I was being observed by my fellow students during the simulation (physician role).	Strongly disagree	☐	☐	☐	☐	☐	Strongly agree

Simulation discussion and feedback

11. I felt well-prepared for the simulation.	Strongly disagree	☐	☐	☐	☐	☐	Strongly agree
12. The simulation helped me to improve my communication skills.	Strongly disagree	☐	☐	☐	☐	☐	Strongly agree
13. The simulation was well implemented from a didactic perspective.	Strongly disagree	☐	☐	☐	☐	☐	Strongly agree
14. The feedback discussion was well implemented from a didactic perspective.	Strongly disagree	☐	☐	☐	☐	☐	Strongly agree
15. The feedback discussion helped me to discuss important aspects of the simulation. [16].	Strongly disagree	☐	☐	☐	☐	☐	Strongly agree
16. The feedback helped me improve my communication skills.	Strongly disagree	☐	☐	☐	☐	☐	Strongly agree
17. Overall, I found the seminar very conducive to learning.	Strongly disagree	☐	☐	☐	☐	☐	Strongly agree
18. I was able to empathize well with the family member	Strongly disagree	☐	☐	☐	☐	☐	Strongly agree

Questions about the premises

19. The simulation rooms were particularly conducive to learning.	Strongly disagree	☐	☐	☐	☐	☐	Strongly agree
20. I think a training hospital is important for medical training.	Strongly disagree	☐	☐	☐	☐	☐	Strongly agree
21. There were no technical issues during the simulation and feedback session.	Strongly disagree	☐	☐	☐	☐	☐	Strongly agree
22. There would be better places than the seminar room in N25/ than the TTU for simulations of this kind.	Strongly disagree	☐	☐	☐	☐	☐	Strongly agree

Overall assessment

Which room would you recommend for the simulation for future semesters?

- ☐ TTU with one-way mirror
 ☐ TTU with streaming room
 ☐ normal seminar room (N25)

23. I would like to see more simulation-based teaching formats for my further studies.

Strongly disagree



Strongly agree



What grade (1-6) would you give the simulation with feedback round [16]?

Praise and critique

Below, you have the opportunity to praise, critique or provide some general comments about the simulation (incl. preparation and feedback round) [16]:

Below you have the opportunity to make specific suggestions for improving the simulation (incl. preparation and feedback round)[16]:

Reference

[16] Schneider A, Messerer DAC, Kuhn V, Horneffer A, Bugaj TJ, Nikendei C, Kühl M, Kühl SJ. Randomized controlled monocentric trial to compare the impact of using professional actors or peers for communication training in a competency-based inverted biochemistry classroom in preclinical medical education. *BMJ Open*. 2022;12(5):e050823-050823. DOI: 10.1136/bmjopen-2021-050823

- Questions on previous training, role allocation and questions no. 3-7, 15 and questions on praise, critique and the school grade were adopted identically, question no. 8 was adapted.