



Student questionnaire concerning the integration of virtual patients

Authors: *Sören Huwendiek¹ and Bas de Leng² in cooperation with
the eViP Project Team³.*

Dear Students,

We want to know how well virtual patients are integrated and aligned with
corresponding teaching events such as lectures, small group work, online
discussions, etc, related to virtual patient topics.

Please respond using the following 5-point scale:

- 1) Strongly disagree
- 2) Disagree
- 3) Neutral
- 4) Agree
- 5) Strongly agree

Characteristics of respondents:

Your age (in years):

Your gender:

(male/female)

1. Centre for Virtual Patients, University of Heidelberg Medical School, University of Heidelberg
2. Department of Educational Development and Research, Faculty of Health, Medicine and Life Sciences,
Maastricht University
3. www.virtualpatients.eu

A. Teaching Presence

Categories: Organisation (information, time allocation and sequencing, co-ordination of content, assessment, accessibility/flexibility) and facilitation).

Information:

1. I felt well-informed about how the virtual patients were integrated into this course.

Time allocation and sequencing:

2. The chronological order of the virtual patient work and the corresponding teaching events was well thought out.
3. The time spent on the virtual patients was well balanced with the time spent on the corresponding teaching events.

Co-ordination of content:

4. The content of virtual patients and the corresponding teaching events complemented each other well.
5. The corresponding teaching events gave me an insightful learning experience, which I would not have had from the virtual patients alone.

Assessment:

6. I think that learning with the virtual patients is important in order to do well in the final exam for this course.

Accessibility/flexibility:

7. I had easy access to the virtual patients at my convenience.

Facilitation:

8. The teachers helped me to assess my learning during the corresponding teaching events.
9. The teachers facilitated the further development of my clinical reasoning skills during the corresponding teaching events.
10. The teachers were well prepared for the corresponding teaching events (including familiarity with the virtual patients).

B. Cognitive Presence

11. I was actively involved in critically weighing pros and cons for explanations given by other students during the corresponding teaching events.
12. I was actively involved in applying my newly gained insights in clinical reasoning, during the corresponding teaching events.
13. I was actively involved in refining my clinical reasoning skills during the corresponding teaching events.
14. The quality of discussion during the corresponding teaching events was good.

C. Social presence

15. I felt secure enough to openly discuss even my shortcomings (e.g., my mistakes while working with virtual patients) during the corresponding teaching events.
16. I felt a positive climate for learning during the corresponding teaching events.
17. I felt like part of a 'community' during the corresponding teaching events.

D. Learning effect

18. The combination of virtual patients and corresponding teaching events enhanced my clinical reasoning skills.
19. The combination of virtual patients and corresponding teaching events made me feel better prepared to care for a real life patient with this complaint.

E. Overall judgment of the course

20. Overall, the combination of virtual patients and corresponding teaching events was a worthwhile learning experience.

F. Open-ended questions

21. Special weaknesses of the overall virtual patient integration into this course:

1. Centre for Virtual Patients, University of Heidelberg Medical School, University of Heidelberg
2. Department of Educational Development and Research, Faculty of Health, Medicine and Life Sciences, Maastricht University
3. www.virtualpatients.eu

22. Social strengths of the overall virtual patient integration into this course:

23. Please describe how an ideal integration of VPs would look like in this context, from your point of view:

24. Any additional comments:

Thank you very much!