

Evaluation of a Case-Based Training System (d3web.Train) in Rheumatology

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Objective

We introduce a case-based training program using the novel system d3web.Train. It allows fast development of case studies for a computer course using available clinical patient records. We evaluated the training program during a rheumatology course for medical students.

Methods

Students received a short introduction into the system (d3web.Train) and a personal anonymous code. The code enabled us to record how often and intensive a student used the system. In addition, we offered the students two questionnaires: one to evaluate each case and another one to evaluate the training system overall.

Results

92 students attended the training program. 39 students finished at least one case. Overall 187 cases were solved, in average students solved 4.8 cases. For working through one case, students needed 12 minutes in average. 24 different students filled in the questionnaire concerning the program, 62 questionnaires about individual cases were collected. The students evaluated the cases as very instructive (1.5 ± 0.6 on a scale from 1 to 5), the training system as very good (1.7 ± 0.8 on a school grade scale from 1 to 6) and want to work further with it (1.3 ± 0.5 on a scale from 1 to 5).

Conclusion

The training system d3web.Train offers a new and good tool for medical education in rheumatology. The main advantage of the system is the relatively low effort needed to create a case based program starting from available medical records.

Literature

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