

## **Abstract AMEE 2003**

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Title: Teaching clinical reasoning with the Dynamic Patient Simulator  
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### Abstract:

In most medical curricula clinical reasoning is taught in small-group sessions directed by a medical specialist. This individual teaching approach is much appreciated by students, but also has some major drawbacks; the amount of time a teacher has to invest, the variable educational quality of the teachers and the opportunity for students to hide behind other people's efforts and opinions, thus not participating in the learning process. In January 2003 four Dutch medical schools have started a cooperative, two-year project to develop computer based training material to overcome these drawbacks. The Dynamic Patient Simulator® (DPS) will be used to create a relevant arsenal of patient simulations with various clinical topics, with an embedded feature for teaching clinical reasoning. Students can perform DPS cases independently as preparation for the small-group sessions. While performing a DPS case, students can request assistance with and feedback on the clinical reasoning, adapted to the personal level of experience. Teachers can look into the student's results, register common lack of knowledge and specific student's problems, at which the following small group session can be directed. Application of DPS is expected to improve clinical reasoning and make small group sessions of a more constant and higher quality.