

Technology Offer



PHYsio – Clinical case e-learning simulator in the Healthcare field

Ref. 869 -A767

Technology

PHYsio software is a tool which helps clinical reasoning (CR) learning. It comprises clinical case simulations in the context of blended learning. PHYsio software was developed by the physiotherapy group at HES-SO (University of Applied Sciences of Western Switzerland) in collaboration with Cyberlean (IT support). PHYsio software aims at facilitating the development of competences in the CR field. It can be adapted for other Healthcare areas as an initial training or in the form of continuous education.

Applications

The software is available as **user** and/ or as **administrator interface**:

- 1) LMS (distance learning platform)
- 2) Local area network.

The software database comprises clinical case and an interface for interactive virtual case evaluations.

Advantages

So far, physiotherapy training was using paper supports for the integration of CR. PHYsio software allows the trainee to feel and practice virtually as if he/she was a physiotherapist. CR can thus be practiced with a simulated case. From a physiotherapist prescription and a patient file and patient interview the student can select to the notepad pertinent elements. Student can also access to multimedia resources available. Establishing coherent links allows to formulate hypothesis and enunciate diagnostic in order to propose the best treatment plan. Once the exercise is completed, a homework is submitted on the Learning Management System. A concluding face-to-face class session complete the blended learning sequence.

Status

PHYsio is available for licensing in French and English. Collaborations are possible to adapt PHYsio to other healthcare fields and other languages.

Link: [Clic here to access PHYsio software](#) (Tutorial and video)