



Multimedia Cardiorespiratory Assessment - Phase I

University of Saskatchewan

Objectives for Innovation

Web-based instruction with a multimedia CD-ROM

Intended Audience

Undergraduate students in physical therapy
Allied health professionals in the cardiorespiratory clinical field

Results Achieved

Interactive web-based and multimedia instructional materials on clinical chest examinations with a multi-sensory focus
Basic physical therapy training and continuing medical education
Flexible access for students across Canada and at the University of Saskatchewan

Partners

Saskatchewan Lung Association,
Physiotherapy Program at Dalhousie University

Implementation

September 1998

Additional Benefits

In-course and at-home access by 122 students in three courses, with more than 10, 000 web site visits
Students value "A useful supplement to lecture notes, labs, (and) excellent reference materials for future use in clinicals.
I like the flexibility of the class"

This program provides multimedia instructional materials on cardiorespiratory assessment and disease management to support face-to-face physical therapy courses.

The interactive web site illustrates procedures for examining a patient's breathing and heart with a stethoscope. The materials include lecture notes, video clips of clinical scenarios, audio clips of breathing and heart sounds, graphics, self-evaluation activities, suggested supplementary readings and links to other web sites. Parts of these resources are offered online using software for designing and offering interactive courses over the World Wide Web, and in interactive multimedia CD-ROM format.

The self-study chest assessment module concentrates on components that are conducive to visual and auditory media. The multimedia format of the web site enables students to learn at their own pace and convenience. Students can also explore interests, practice skills and knowledge with feedback, and review the materials as often as required. This approach improves their level of understanding.

The program also includes partially developed content for the other components of cardiorespiratory assessment, including visual inspection, palpation, chest percussion, documentation of patient history and assessment findings, along with accompanying video and audio clips.

Contact

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