



Multimedia Cardiorespiratory Assessment - Phase II

University of Saskatchewan

Objectives for Innovation

Multimedia CD-ROM or
web-based instruction

Intended Audience

Undergraduate students in
physical therapy
Physical therapists and allied health
professionals in the cardiorespiratory
clinical field

Results Achieved

Interactive web site and
multimedia CD-ROM that
provides instructional materials
on applied cardiorespiratory assessment

Materials available for use in
three different courses

Components modified with input from
students in three consecutive terms

Builds on existing world wide
web resources

Basic physical therapy training and
continuing medical education

Flexible access for students
across Canada and at the
University of Saskatchewan

Partners

Saskatchewan Lung Association
Physical Therapy programs at
Dalhousie University, University of Ottawa
and University of British Columbia

Implementation

September 2001 (tentative)

This program provides multimedia instructional materials on cardiorespiratory patient assessment that builds on Multimedia Cardiorespiratory Assessment – Phase I. It supports face-to-face courses in physical therapy, and updates clinical theory and skills for students and practitioners in the field.

The interactive web site details the steps of cardiorespiratory assessment, including examination of the chest with a stethoscope, visual inspection, palpation, chest percussion, documentation of patient history and findings. It also provides guided access to online resources on common clinical pathologies, signs and symptoms, physical therapy treatment and conditions. Notes, video clips of clinical scenarios, audio clips of breathing and heart sounds, graphics, self-evaluation activities, suggested supplementary readings and links are provided. Parts of these materials are offered online using software for designing and offering interactive courses over the World Wide Web, as well as through a multimedia CD-ROM.

The topics for the course are conducive to visual and auditory media. The multimedia format also offers flexibility for students to learn at a convenient place and time and to control their pace. Students can pursue areas of ability or interest, practice skills and knowledge with feedback, and review the materials as often as required to improve their understanding.

The interactive web site and CD can be used in physical therapy programs across Canada, and for continuing medical education of physical therapists and allied health professionals in the cardiorespiratory field.

Contact

Cheryle Kelm, School of Physical Therapy
Phone: (306) 966-6586
Fax: (306) 966-6575
E-mail: cheryle.kelm@usask.ca