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Evaluation of genetic problem-based e-learning system for nurses in the post-genomic era (I)

Abstract:

The development of genetic knowledge has been increased dramatically after the Human Genome Project established. Nursing profession needs to enhance and integrate genetics into the knowledge base of nursing in order to have a significant impact on the future of health care. A two-periods study was conducted to evaluate the effectiveness of genetic problem-based ***e***-learning system on learning genetic concepts among community nurses. The purpose of period one was to investigate the genetic knowledge, attitude, confidence and experience among community nurses.

Six hundred and three questionnaires were mailed to community nurses who worked in Taichung city, Taichung county, Miaoli county, Changhua county, and Yunlin county. Five hundred and sixty-three questionnaires were returned with a response rate of 93.36¢M The preliminary results were shown that genetic knowledge, confidence and experiences among nurses were insufficient. Eighty three percent of study subjects perceived themselves as lack

of knowledge in genetics. Ninety nine percent of study subjects need continued education related with genetics.

The study period two will be continued to propose to develop teaching modules of genetic nursing and a genetic problem-based *e*-learning system in order to improve the limited knowledge of genetic nursing among community nurses.

Keywords: Genome, Genetic knowledge, Genetic Nursing

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