



LABORATORY INTEGRATED CASE-BASED LEARNING TO PRE-CLINICAL STUDENTS: A STUDENT'S PERSPECTIVE

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Background

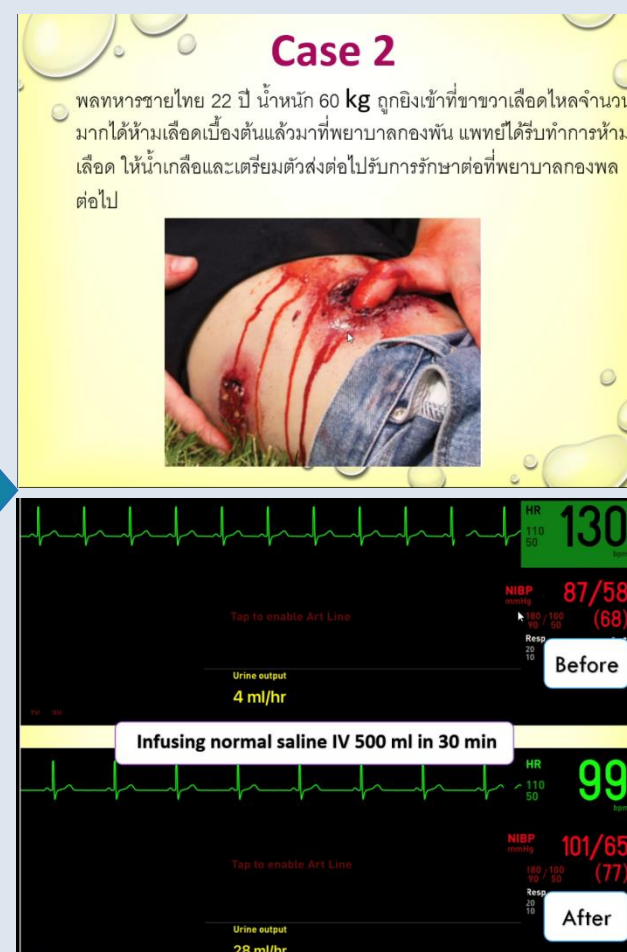
Faculty from Department of Physiology, Phramongkutklao College of Medicine changed a conventional animal laboratory learning model to laboratory integrated case-based learning (LI-CBL) for preclinical students in order to develop their self-learning skill and familiar with clinical environments.

Result

Ninety-one students were assessed with questionnaires and small group interviews. We found that 75 percent of students thought this style of learning was very good and 16 percent considered it was good. Students received an average score of 7.6 / 10 on the post-operative test. Most of the students commented that this learning style promoted their interests.



Previous version



LI-CBL version

Summary of Work

Six different LI-CBL were designed and approved by faculty, each with different factors influencing urinary system. In all cases vital signs and urinary flow rates were shown before and after treatment, promoting students engage in group discussion on physiological process. LI-CBL was then applied to second-year medical students in laboratory hours which consisted of 3 sessions: a 1-hour lab introduction, a 2-hour self-directed learning and a 2-hour discussion. After class, perspective of medical students on this new learning style were gathered using both quantitative and qualitative tools.

Discussion & Conclusions

Teaching in LI-CBL format could increase the student's enthusiasm for learning more than the conventional animal model, especially when using real cases found during medical practice. Moreover, using videos to demonstrate real patients would make students more interest and engage.

Take Home Message

Most medical students thought that some important animal experiments were still needed, but might reduce the amount of lab animals as much as possible.