

Students often face difficulties when they first attend pharmacy ward rounds during their study. They are not familiar with clinical case handout and the abbreviations on the patient Kardex. In view of this, the micro-modules developed under this project aims to help student handle clinical cases, interpret clinical notes and assess the cases. We focus on three areas in this set of micro-modules, including (1) the introduction of a case, (2) laboratory data interpretation and (3) assessment of a case. We have developed 8 animated videos under these three areas. These videos are intended to be used in PHAR3812, which is a course focusing on the clinical assessment and monitoring. These videos can better equip our students to prepare for their clinical ward rounds in addition to the single 3-hour lecture. The objectives are to (1) explain the basic information of a case handout, (2) discuss the interpretation of various laboratory data, and (3) how to assess a clinical case. These are the situations which students often encounter difficulties during case assessment.

The micro-modules are developed for students of PHAR3812, which only have classes in spring semester. We have invited the students who had just completed PHAR3812 to watch the videos and provide feedbacks in a focus-group interview. Students were generally satisfy and enjoyable in using animation to assist their learning, but they did not think these videos can replace the original lectures. They commented that more in-depth knowledge could be covered in the micro-modules, and to analyze some complicated terms and clinical cases through animation, a tool that could help visualize abstract concepts. In addition, the pre-post questionnaire results showed that students found the micro-modules were enjoyable to watch, and enhanced their understandings on clinical case handout. These feedbacks and comments from students are valuable for our micro-module preparation. We would further refine our micro-modules and will make them available in the upcoming PHAR3812 course.