

THE CHINESE UNIVERSITY OF HONG KONG

Micro-Module Courseware Development Grant

Scheme 1: Basic Scheme

Interim Report (2017-18)

Report due 31 May 2018.

Please return by email to mmcd@cuhk.edu.hk

PART I

Project title: Learning Scrotal Diseases through Micro-module and Augmented Reality

Principal supervisor: Jeremy Yuen-Chun TEOH

Department / Unit: Department

Project duration: From December 2017 to October 2018

Date report submitted: 29th May 2018

1. Project objectives

Is the project on track to meet its objectives?

Have the objectives been changed as a result of the experience of working on your MMCDG project?

Scrotal diseases are common urological conditions. However, it is difficult to find suitable patients with scrotal diseases to be examined by every medical student. Medical students may not have sufficient knowledge in scrotal conditions and experience in performing scrotal examination. This project aims to develop two micro-modules that can enhance the learning of scrotal diseases through augmented reality. Common and important scrotal conditions including hydrocele, varicocele, testicular tumour, testicular torsion and epididymal cyst shall be discussed. Scrotal examination shall be demonstrated and the important physical signs shall be highlighted with overlying images as augmented reality. The project is currently on track to meet its objectives. The objectives have not been changed throughout the development process.

2. Progress on process, outcomes or deliverables

What have been accomplished so far?

Have any obstacles been encountered and what are the remaining tasks to be finished?

The framework of the two micro-modules has been completed. The images for augmented reality are being constructed. These images will be overlaid on to the recorded videos and the two micro-modules will be completed by then.

Is the project still on time for completion (which includes preparation of the final report) on or

before the grant expiry date?

The two micro-modules are expected to complete by end of June 2018. Surveys evaluating the micro-modules shall be conducted in July and August 2018. Focus group interviews shall be conducted in September 2018. The final report shall be prepared in October 2018.

Provide a listing of project outputs to date.

The framework of the two micro-modules has been completed.

1. Common and important scrotal conditions
2. Clinical examination for scrotal conditions

3. Evaluation Plan

Have you altered your evaluation plans?

Does your evaluation indicate that you have achieved your objectives?

Surveys shall be conducted in July and August 2018. Focus group interviews shall be conducted in September 2018. The evaluation plans have not changed, and I will know whether the evaluation indicates that I have achieved my objectives by October 2018.

4. Dissemination Activities (reports, websites, video links, products, etc.)

Provide a listing of dissemination activities to date.

The final year medical students will start their clinical attachment at our Urology Team starting from late June 2018. The two micro-modules will be promoted to our students through the clinical attachment. The two micro-modules will also be uploaded to the Blackboard system. All final year medical students will be able to access the two micro-modules and learn about the different scrotal diseases.