

This project aims to develop two micro-modules that can enhance the learning of scrotal diseases through augmented reality. The first micro-module was developed in the form of video, powerpoint plus voiceover. Essential knowledge regarding common and important scrotal conditions including hydrocele, varicocele, testicular tumour, testicular torsion and epididymal cyst were discussed. The duration of the video was 5 minutes and 46 seconds. The second micro-module was developed in the form of video demonstration with augmented reality. Scrotal anatomy was first explained, followed by live demonstration of clinical examination skills on common scrotal conditions including hydrocele, varicocele, testicular tumour, testicular torsion and epididymal cyst. The physical signs of the various scrotal conditions were highlighted with augmented reality. The duration of the video was 7 minutes and 49 seconds. Both micro-modules were developed in conjunction with the Centre for eLearning Innovation and Technology, the Chinese University of Hong Kong, and were disseminated to the final year medical students through the Blackboard under 2017Y1-MEDU4710: Senior Surgical Dressership. Surveys and focus-group interviews regarding the two micro-modules have been conducted. The duration and content of the micro-modules were considered appropriate. The medical students felt that the micro-modules being developed could facilitate the learning process, and the acquired knowledge could be applied into clinical practice readily. The medical students felt that they had more in-depth knowledge of the various scrotal conditions. The medical students agreed that the micro-modules are useful for learning scrotal conditions and similar micro-modules should be produced for other medical conditions.