Clinical Tele-Demonstration in an Out-Patient Clinic with a locally assembled VC Cart
Chan HB(1)(3), Lee KWT(1), Wong SYD(1), Chiu TMB(1), Choi CY(2), Luk CKD(3), Li CM(4)
(1)Information Technology Department, United Christian Hospital,(2)Surgery Department, (3)Paediatric & Adolescent Medical Department, (4)Specialist Out-patient Department

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Introduction
Training is crucial for organizational development and success. Besides lectures and workshops, demonstration is also a very important element in training. In Dec 2015, the UCH Surgical Department has arranged an overseas professor to live demonstrate Clinical Application of Intralesional Cryotherapy. This involved real patients undergoing the office procedure of needle insertion and cryotherapy under local anaesthesia. The demonstration is conducted in a consultation room in the SOPC. However, the room is too small to host the 100 trainees.

Objectives
The principle is to keep the patient live demonstration at the clinical area as the usual practice, but not to transfer the patients to the non-clinical area for training purpose; even patients' consent is obtained. About 100 participants are hosted at a lecture hall in UCH. The voice and video from different angles in the consultation room was to be shown in the lecture hall.

Methodology
Video Conference (VC) is already installed in the lecture hall. To extend the video communication to the consultation room, a locally assembled mobile VC cart is used in the SOPC. The cart is composed of - a set of VC appliance, - a monitor - handy camera with tripod, and - an audio system with wireless microphones, clip mics and speakers.

Result
Usually video demonstration is conducted in Operation Theatres, where appropriate equipment is installed. With this solution, the tele-demonstration can be conducted in an out-patient clinic, rather than in the precious operating rooms. Video and audio quality is better than enough for the training purpose. Real-time communication between the lecture hall and the consultation room is realized in a cost effective way.