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## Enhancement program on caring patients with mobile chest drain

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**Introduction:** Pneumothorax and pleural effusion are common problems encountered in clinical settings. Mobile Chest Drain (MCD) was first introduced for patients with prolonged air-leaks in our hospital in 2016, which may reduce the length of hospitalization. However, it is new to staff and no management guidelines or education program were available, the quality of care may not be ensured. In 2017, a MCD management program was implemented and guideline was established for the Medical & Geriatrics Department in the United Christian Hospital. It aims at facilitating consistent practice and to ensure a safe practice of mobile chest drain management.

**Objective:** To evaluate the knowledge enhancement of nurses on MCD care in Medical and Geriatrics Department.

**Method:** A workgroup consists of specialist respiratory nurses that were formed to provide training to nurses to build confidence and competency in MCD care. The seminar emphasizes on promoting participant's understanding on MCD, nursing care and discharge preparation. The workgroup also establishes MCD care mechanism and patient assessment materials. The standardized mechanism and materials allow nurses to smoothly prepare patient with MCD to be discharged.

**Result:** The education seminar was successful in enriching knowledge essential for caring patient with MCD. Nearly 90% of them showed understanding on the basic operational concept, MCD care and discharge planning. More than two-thirds of participants agreed the seminar content is practical and all participants had positive feedback to our program.

**Conclusion:** MCD program enhances the understanding and confidence of nurses on MCD management. The successful implementation highlights comprehensive discharge mechanism should be constructed for caring patients with MCD, aiming to maintain a high quality of nursing care for those patients.

### Biography

Wong Yee Ting has completed her Master's degree from the Hong Kong Polytechnic University in 2017. She is a RN with Respiratory Specialty in Medical and Geriatrics Department of United Christian Hospital in Hong Kong.

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