



**Service Priorities and Programmes**  
**Electronic Presentations**

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**Promotion of the Electronic Device Assisted Education for Colorectal Cancer Patients in United Christian Hospital**

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Decreased anxiety level

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**Introduction**

The specialty nurse has expert knowledge on surgical procedures and nursing care. She plays an important role on patient education in Colorectal Cancer Case Manager Clinic. An Electronic device (iPad) assisted in patient education is planned to adapt to the Cancer Case Manager Clinic. The patient education information with pictures and clinical photos has been attached in the iPad. The information explained to patients based on their journey from preoperative to post-operative period during nursing consultation sessions. It helps to reduce patients'™ anxiety level and enhance their knowledge.

**Objectives**

1. To develop electric device assisted education for colorectal cancer patients
2. To report patients'™ understanding on the management of colorectal cancer
3. To evaluate patients'™ anxiety level after receiving information from nurse

**Methodology**

Patients who have been diagnosed as colorectal cancer and plan for surgery were recruited from 1st August, 2016 to 31st October, 2016 in the Cancer Case Manager Clinic, United Christian Hospital. Firstly, the participant's™ anxiety level and the knowledge on colorectal cancer were studied using a questionnaire. Secondly, the specialty nurses will then use the electronic device (iPad) to provide upon the face to face preoperative education. Lastly, a phone call was followed 2 weeks after the pre-operative patient education given in the nurse clinic.

## **Result**

From 1st August, 2016 to 31st October, 2016, 29 participants were received the pre-operative education and interviewed follow up phone call successfully.

1. The post mean STAI score of the participants were decreased from 44.25 to 26.58 ( $t = 3.34, p < 0.05$ ).

2. 75.9% patients agreed the electronic device provided the information clearly and interactively.

3. 79.3% patients agreed the electronic device was effective to enhance their understanding of knowledge on colorectal cancer.