



Service Priorities and Programmes
Electronic Presentations

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Electronic Educational Kit @ Diabetes Care in Community

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Introduction

Majority of the patients in community are elderly with chronic diseases. We have noticed that it is difficult for elderly patients to receive or understand health education information with verbal explanation. Currently, we have been using iPad-mini to record and retrieve patient's medical record and care plan in daily practice, hence we thought of leveraging the existing device to serve as a Teaching Tool- electronic educational kit - would enhance patient learning effect without extra expenses.

Objectives

1. For DM patients-to empower patients by promoting health information in the area of self-care, knowledge and awareness through enhanced learning process.
2. For community nurses - to use handy and easily access health information and enhance teaching experience.
3. For community care services - to increase the effectiveness on health education with standardized, comprehensive and updated information.

Methodology

Diabetes is one of the most common chronic disease groups we served which was chosen as a pilot on using the kit. A working group was formed in order to search and select suitable updated resources for uploading to iPad mini for community nurses which we could use while home visiting. The uploaded content was divided into two sections. For the patients' section includes the Diabetes Diet Control, insulin injection technique, blood sugar monitoring technique, exercise etc. The nurses section includes the Diabetes care guidelines and Diabetes care pathway which guide the effective and efficient care delivery.

As a pilot study, 12 Diabetes patients under the care of 3 Community Nurses from three community nursing centers were recruited. Those patients or care-givers were educated by using the kit for 8-12 weeks. Evaluation questionnaire was designed containing 8 questions in the areas of communication effectiveness, benefit, comprehensibility and other comments after using it. Feedback from both involved patients and community nurses were collected at completion of the care program.

Result

Responses from 12 Diabetes patients and 3 community nurses were received. All responders stated that learning becomes more interactive, interesting and easy because visual simulations allowed patients to grasp the key ideas and concepts in a minute. Nurses also appreciate the readiness of educational material and more satisfy with the teaching process

After the pilot study, all community nurses were then engaged to use the kit on Diabetics patients' care. This is the way forward for utilizing the electronic educational kit on other chronic disease management.