



Service Priorities and Programmes
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Patient Participation Approach is Effective in Promoting Acceptance to Same-stage Bilateral TKR in NTEC

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Introduction

Approximately one-third of total knee replacement (TKR) patients exhibit knee osteoarthritis bilaterally. With stringent patient selection, same stage bilateral TKR can achieve comparable patient satisfaction and clinical outcome(in 2017 AHNH HA convention poster) with higher cost-effectiveness in term of clinic, operation and rehabilitation cost reduction.

Objectives

This study was performed to analyse NTEC patient's awareness of same stage bilateral TKR and identify the most effective medium for patient education. New preoperative education program was implemented and change in number of same-stage bilateral TKR performed after.

Methodology

Standardized questionnaires were completed by prospective TKR candidates attending outpatient clinics at Alice Ho Miu Ling Nethersole Hospital in 2016. The primary outcome was the proportion of patients aware of and accepted same-stage bilateral TKR. Secondary outcomes included factor affecting patients' choice of procedure and their preferred medium of education.

Our preoperative education program was modified in 2017 according to this questionnaire result and the subsequent change in number of same- stage bilateral TKR performed was audited.

Result

Results:

Total 381 questionnaires were collected. 43.8% of the patients were unaware of the

option of bilateral TKR. 57.2% of the patients would opt for bilateral TKR if they knew about the option. Employment status would significantly affect the choice of operation. Nurse clinics, patient sharing groups and educational videos are well-accepted mediums for patient education and were introduced in 2017 pre-operation education program.

The percentage of same-stage bilateral knee replacement among all knee replacements performed increased from 29.1% in 2016 to 37.5% in 2017.

Conclusions:

There was inadequate awareness of same-stage bilateral TKR among patients of NTEC. With well-structure pre-operation education program, Knowledge and acceptance of same-stage bilateral TKR was significant improved.