



## Other Abstracts

# Evaluation and Implication of Pre-operative Joint Replacement Education Class

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### **Introduction:**

Joint replacement is one of the major elective surgeries in the Department of Orthopaedics and Traumatology. Several years ago, there was a lack of adequate education for patients and their relatives about the operation. Pre-operative Joint Replacement education class, therefore, has been established and run by nurses since 2002. Such class provided information regarding what the patients and their relatives can expect to experience about the operation and the rehabilitation. Evaluation of the effectiveness and implication of this class is essential to underpin the reflection of current practice and enhance quality of service.

### **Purpose of the Project:**

The present project aimed to evaluate knowledge gained from the class provided and identify its implications.

### **Material & Methods:**

An outcome analysis was employed to evaluate 182 patients who had attended pre-operative joint replacement class from October 2006 to September 2008. During the class, nurses provided education to patients by video, PowerPoint presentation, and individual assessment and counseling. A pretest-posttest design was used to evaluate knowledge gained by 8 dichotomous questions.

### **Results:**

Age range of patients was from 40 to 81 (mean=65, SD=8.5). All of them got all correct answers at posttest. Only 65% of them got all correct answers at pretest (range=38-100, mean=92, SD=14,). Mean score at posttest was significantly higher than pretest ( $Z=-7$ ,  $p<0.01$ ). The two most common misconceptions were (i) the purpose of drain after operation and (ii) the function of anti-emetic drugs.

### **Conclusion:**

The significance of pre-operative joint replacement education class was approved. Pre-operative education class, therefore, was recommended for patients undergoing various types of elective surgery in hospitals. This study also implied that health care providers could organize similar education classes for the community to enhance their knowledge about some common surgeries.