

# 20<sup>TH</sup> WORLD NURSING EDUCATION CONFERENCE

May 22- 24, 2017 Osaka, Japan

## Related factors of medical cost among the hospitalized patients survey hemorrhoid surgery: 2000-2013 in Taiwan

Ying-Ching Huang<sup>1</sup>, Wu-Chien Chien<sup>2</sup>, Chi-Hsiang Chung<sup>2</sup> and Kwua-Yun Wang<sup>3</sup>

<sup>1</sup>National Yang-Ming University, Taiwan

<sup>2</sup>National Defense Medical Center, Taiwan

<sup>3</sup>Taipei Veterans General Hospital, Taiwan

**Objectives:** Inpatient care is a major part of medical expense in the National Health Insurance. However, few studies explored the nature of medical costs empirically in our setting. Hemorrhoids are the most frequent anal pathology. The objective of the study is to investigate the related factors of medical cost among the hospitalized patients survey hemorrhoids surgery.

**Methods:** Patients who were hospitalized for hemorrhoid surgery (ICD-9-CM; code: 455) were selected from the 2000-2013 Taiwan National Health Insurance Research Database. Data were analyzed using SPSS 22.0 software.

**Results:** 464,722 patients were hospitalized for hemorrhoid surgery in 2000-2013; There are 77,855 patients (16.75%) of the medical costs higher than the average (NT\$24,650). High medical expenses, the male accounted for 59.42%, mean age was 56.19 years, low-income household accounted for 1.89%, catastrophic illness accounted for 21.57%, Charlson Comorbidity Index (CCI) was 1.42, in Medical Center and Regional Hospital accounted for 82.59%, General Hemorrhoids surgery accounted for 34.02%, 12.51% were recurrent inpatients. The factors related with medical costs caused by hemorrhoid surgery were gender, age, low-income household, Catastrophic illness, Charlson Comorbidity Index (CCI), level of care, type of operation, length of hospitalization and recurrence. The characteristics and factors of medical cost of hemorrhoids inpatient in are tabulated in Table 1.

**Conclusion:** Among the related factors, many factors had dominant impact on increase of medical cost. Therefore, providing adequate quality of care for hemorrhoid surgery patients can help post-surgery recovery and reduce the length of hospitalization, which then reduces the use of medical resources.

### Biography

Ying-Ching Huang is a first year Doctoral student at the National Yang-Ming University in Taiwan. She has 10 years of Clinical Nursing experience in Surgical and Critical department.

tsuyoshi700426@yahoo.com.tw

### Notes: