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## Seung Hee Ho

*Korea National Rehabilitation Research Institute, Republic of Korea*

### Effectiveness of transferring medical facilities of stroke patients

**Purpose:** The purpose of this study was to analyze the medical use status according to the transferring medical facilities of stroke patients in 2005.

**Method:** This study used data from the National Health Insurance Corporation from 2005 to 2015. The data obtained from a total of 4,480 new stroke patients (2005) were analyzed. Group-1 [General hospital (Hospital activities): 542; 12.10%], Group-2 [General hospital (General hospital): 3,639; 81.23%] and Group-3 [General hospital (Convalescent hospital): 299; 6.67%] were classified transferring medical facilities for patients with stroke. We compared the medical costs and healthcare utilization patterns among the three groups. The obtained data were analyzed with a SAS 9.4 program using Wilcoxon-test and ANOVA.

**Result:** The analysis of inpatient medical services showed that Group-3 spent more medical costs ( $p=0.003$ ) and stayed longer in hospital ( $p<0.0001$ ) compared to the other two groups (G1: 15,174 \$, 221 days; G2: 13,526.62 \$, 172 days; G3: 18,581.22 \$, 268 days). As for the use of outpatient medical services, there was a significant difference in outpatient visits among the three groups. The number of outpatient visits was the longest with Group-3 (14 days) and the shortest Group-2 (9 days) [ $p=0.0209$ ]. But there was no significant difference in outpatient medical costs.

**Conclusion:** By providing an appropriate rehabilitation medical delivery system for stroke patients, we might be able to lay the groundwork for establishing the rehabilitation medical delivery system.

### Biography

Seung Hee Ho is the Director of Department of Rehabilitation Standard and Policy, NRC. Her research interests at NRRI include the development of rehabilitation programs, health promotion interventions for people with disabilities and development of functional assessment tools and patient classification systems. She is a Member of the Health Committee of RI (Rehabilitation International), Republic of Korea. Previously, she was a Research Assistant Professor at the Department of Health Informatics, Graduate School of Public Health, Yonsei University, Republic of Korea, researching the knowledge-based system and data mining application in healthcare.

[hsh7@korea.kr](mailto:hsh7@korea.kr)

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