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## **Estimation of Percentage Increase in Direct Cost among Stroke Patients with or without Infection**

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### **ABSTRACT**

**Background:** Infection is a common complication in the acute phase after stroke. The economic costs of post-stroke care were enormous. There will be a difference in the economic burden among stroke patients with infection and without infection. **Aim and Objective:** The main aim of the present study was to estimate the percentage increase of direct cost among stroke patients with or without infection. **Materials and Method:** This study was designed as a hospital based prospective observational study and a total of 74 subjects who admitted in the Department of General Medicine over 6 months of study period were included in the study. The total direct cost of each patient was calculated and the calculated cost was used to estimate the percentage increase of cost between infectious stroke patients and non-infectious stroke patients. **Result and Discussion:** Among the study population, the percentage cost for the post stroke infectious patients was 63.1% and 36.9% for non-infectious stroke patients. The percentage increase of cost between these groups was found to be 26.23%. **Conclusion:** Infectious complications were the major reason for the increase in economic burden among stroke patients. This study shows the percentage increase of cost among infectious and non-infectious stroke patients. **Key words:** Direct cost, Economic burden, Percentage increase, Post stroke infection, Stroke, UTI.

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