

POST OPERATOR DELIRIUM INCREASING THE HOSPITAL FINANCIAL BURDEN

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Abstract

Delirium is a clinical syndrome which is difficult to define exactly but involves abnormalities of thought, perception and levels of awareness. Delirium is a frequent post operative disorder to the sick and elderly, and has always been associated with extent of day stay in hospital, and certainly more cost for the hospital as well. The purpose of this study is to evident the post operator delirium effects on financial burden of the hospital. Material and methods: In this study are included all patients aged over 65 years old admitted in the urology clinic, who underwent surgery. The period of study was September 2012 to September 2013. The number of patients was 544. The patients who had post operator delirium were 97 patients, (18% of all patients). It is calculated the average day stay as well as the medicamental cost without hospital service, hotel service daily meals in cases that did not have delirium and those who did. On the average the patients with delirium stayed in the hospital more than the patients without delirium with a significant statistical difference between them $t=5.12$ $p<0.01$. During one year the average day stay was 8.9 days and the patients with delirium stayed on the average 9.8 days. On the average, the patients with delirium stayed in the hospital more than the patients without delirium with a significant statistical difference between them ANOVA $F=26.2$ $P<0.01$. The average daily cost for patients admitted in urology was 2000 Albanian money (14 Euro). The average cost for patients without delirium was 17.800 Albanian money (127 euro). The average cost for patients with delirium was 19.600 Albanian money (140 euro) with a statistically important difference between them of $p<0.01$. Because of the increasing of the medicamental cost, the hospital financial burden increases as well. Post operator delirium increases the hospital financial burden, with a statistically important difference of $p<0.01$.

Keywords: *Delirium, clinical syndrome, post operative disorder, hospital*