Postgraduate student: **Tzoka Maria**

Thesis Title:

Analysis of the clinical characteristics of neurosurgical patients

Abstract:

The focus of this large scale study was to investigate the profile of neurosurgical patients, i.e. to identify parameters that affect his/her clinical outcome. The data that were analyzed come from the Neurosurgical Clinic of Evangelismos Hospital, Athens, Greece. In this large database there were approximately 13000 patient cases, 16000 hospitalizations and 8000 patient surgeries reported between years 1998 and 2010.

The chi-square test was used for the statistical analysis of the data set and the parameters examined are the disease category, the medical diagnosis, the sex and age of the patient, and the type of medical management (conservative vs. surgical).

The study shows that the category of the disease, the diagnosis, the patient's age and the type of medical management affect the outcome of the patient. On the other hand the patient's sex does not seem to affect the clinical outcome.

Examining Committee

Phd. Elias S. Manolakos, Assoc. Professor - National and Kapodistrian University of Athens - Thesis advisor

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