

# **A STUDY ON THE CORRELATION BETWEEN GCS SCORE AND CT SCAN FINDINGS IN SUSPECTED HEAD INJURY PATIENTS 2003**

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## **Abstract**

Head injuries form a major cause of morbidity and mortality resulting from RTA. GCS score is used by physicians all over the world to assess the chance of head injury. But GCS is only a rough estimate, with the advent of CT scan the chance of correctly predicting the positive findings in suspected head injuries has greatly increased and it has become almost ubiquitous as an investigative procedure. So our endeavor was to assess the value of GCS score in predicting CT scan outcome so that it may be used to reduce unwanted prescription of CT scan. We also tried to find out if any other particular clinical test could be used as a replacement or along with GCS score assessment to increase chances of correctly predicting CT scan outcome.

Our group consisting of three members Sarath Madhavan, Shahid Babu.K, Shambu Sugathan did this project on the topic "A STUDY ON THE CORRELATION BETWEEN GCS SCORE AND CT SCAN FINDINGS IN SUSPECTED HEAD INJURY PATIENTS".

The study was a Descriptive Cross-sectional study and subjects were all patients coming to surgery casualty Medical College, Trivandrum with suspected head injury, to

whom CT scan was prescribed. The tool for study was a pre-tested questionnaire listing various variables of study. The study period was about two months, and a total of about 50 cases were recorded. From our study it was concluded that there is no significant correlation between GCS score <13 and likelihood of having positive CT scan findings and if Canadian CT head rule is also added along with GCS score, there is a significant higher probability to correctly predict the subsequent CT scan finding.