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## Frequency and causes of neurosurgical cases reported in a tertiary care hospital of Peshawar in the month of December, 2011

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### Objectives:

- To find the frequency of neurosurgical cases reported in the tertiary care hospital of Peshawar.
- To identify various causes/diseases responsible for the admission of patients in the neurosurgical ward.
- To compare the frequency of various neurosurgical diseases among male and female patients.

**Methodology:** Descriptive study was performed in the neurosurgical ward of Lady Reading Hospital, Peshawar. The required data was collected from the official register of neurosurgical ward which was then entered in especially designed analyzing sheet. Study duration was about 7 days. The confidentiality of subjects was taken into account.

**Results:** Total 195 cases were registered in the neurosurgical ward of LRH in the month of December, 2011. Out of 195, the data of 22 cases was found to be incomplete. Majority of the cases registered were related to the History of Fall (n=30) followed by Road traffic accidents (n=23). CNS Tumors (n=16) were found to be the third leading cause. The diseases/accidental causes with frequency less than 10 included Hydrocephalus, Head Trauma injuries, Sub-arachnoid hemorrhage (SAH), Ventro-peritoneal (VP) Shunt, Prolapse Inter-vertebral Disc (PIVD), Spinal Stenosis, Trigeminal Neuralgia (TGN), Fire arm injury (FAI) to head, Disc Proplapse, Brain Abscess, Myelomeningocele (MMC) and Endoscopic third ventriculostomy(ETV). Only males were found to be affected ETV while. SAH was more common in females as compared to males with a ratio of 5:1.

**Conclusion:** After analyzing the results, it can be concluded that most leading causes of admission of patients associated with neurosurgical cases are History of Fall (HOF's) and Road Traffic Accidents (RTA's) which can be prevented easily. Endoscopic Third Ventriculostomy (ETV) was more common in males while Subarachnoid Hemorrhage (SAH) was mainly associated with females.

### Biography

Muhammad Salman Haider Qureshi is a medical student and an undergraduate researcher. Currently, he is voluntarily serving as the Secretary General of Society for Undergraduate Medical Research (SUMR), Regional Coordinator of Pakistan Medical Students' Research Society (PMSRS), Secretary of Publication and Promotion of Asian Medical Students' Association (Pakistan Chapter) and Chief Editor of UMR TIMES. He has also served as the country ambassador of Annual International Medical Students (AIMS) Meeting at Lisbon Portugal and 5th International Students Medical Congress in Slovakia.

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