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RESEARCH ARTICLE

EPIDEMIOLOGY OF HEAD INJURY - A LEVEL 1 TAEI CENTRE STUDY

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Abstract

Head injury affects over 60 million people every year which causes mortality and morbidity. Of all the injuries, head injury accounts for most cases of death and disability. Sixty-nine million individuals worldwide suffered from head injury in 2018. As the time progresses there is observable increase in rates of Head injuries. Hence this study focuses on this aspect of injuries in a level 1 TAEI centre. Research studies from TAEI centre are sparse as of now and this study will be a helpful tool for illumination of further research and development which will be useful in reducing public health burden. TAEI (Tamilnadu Accident and Emergency Care Initiative) : Tamilnadu Government have initiated TAEI centres along the National and major State highways. This is in co-ordination with 108 free ambulance service, Government hospitals and CMCHIS schemed private hospitals. It provides immediate and free treatment to the trauma patients.

Aim : To study the Epidemiology of Head Injury in level 1 TAEI centre, Coimbatore medical college and hospital, Coimbatore.

Materials and Methods : This study is a prospective study covering all head injury cases admitted from November 2020 - January 2021 in level 1 TAEI centre, Coimbatore medical college and hospital, Coimbatore. The treatment is initiated upon arrival in Zero delay ward and they are triaged by TAEI team. These patients are treated according to the protocol of Department of Neurosurgery. This study covers the management, discharge and follow up of these patients.

Results : The admitted head injury patients in TAEI ward are 1319 cases out of 1750 trauma cases. Among them RTA tops head injury mortality and morbidity. Among RTA, Two wheeler associated injuries weremost common. Drunken drive, not wearing helmets and protective gears played a vital role in head injuries. **CONCLUSION** : The primary prevention can be the key to reduce the national burden of head injuries.

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