

**CLINICAL AND ETIOLOGICAL PROFILE OF  
SEIZURES IN ADULTS ATTENDING A TERTIARY  
CARE HOSPITAL**

**By**

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## ABSTRACT

**Background and objectives:** seizures are one of the common neurological disorders found all over the world and are encountered commonly during practice. Currently, CNS infections are the predominant reason for seizures in developing countries, these infections vary for different regions, hence etiological spectrum vary from region to region. So this study was undertaken to assess the clinical profile and evaluate the aetiology whenever possible in patients with seizure.

**Methodology :**100 cases of seizures admitted to department of general medicine and emergency medicine SDM medical college were included in our study. **Results:** Of 100 patients 78 % had generalized onset seizures , 5% had focal onset with impaired awareness , 5% had focal to bilateral tonic -clonic type of seizures , 4% had focal onset aware seizures, 4% had absence seizures , unknown onset in 4% of the patients.36 % of the seizures were caused due to metabolic derangement, hypocalcemia is the most common type , 33% of the subjects had CVA(33%), followed by idiopathic(19%) ,alcohol withdrawal(15%) , and Neuroinfection(9%).

**Conclusion:** This study illustrates that the etiological spectrum of seizures in this part of the world is different from that described from

developed countries and metabolic derangements accounted for significant number of cases.

**Key word :** Metabolic derangement, Neuroinfection , cerebrovascular accident, alcohol withdrawal.