

PREVALENCE OF SEIZURE AND PRESCRIBING PATTERN OF AEDs IN PATIENTS WITH THYROID ABNORMALITIES

Sheba Baby John^{1}, Ridhin Joy¹, Ayisha Jasmin.K¹, Joji. G. Ponnachan¹,
Dr. C.I. Sajeeth¹, Dr. Vini Pavithran¹, Bincy.T Abraham²*

1. Department of pharmacy practice, Grace college of pharmacy, Palakkad, Kerala
2. Department of pharmacy practice, St. James college of pharmaceutical sciences, Chalakkudy, Trissur, Kerala

Address for Correspondence: editorjohp@gmail.com

ABSTRACT

Epilepsy is a neurological disorder – a physical condition which causes sudden bursts of hyperactivity in the brain. This hyperactivity produces “seizures” which vary from one person to another in frequency and form. The continuum of central nervous system (CNS) symptoms associated with various degrees of hyperthyroidism ranges from subtle impairment of cognitive function, insomnia, emotional liability and anxiety, to severe and potentially life threatening manifestations, such as severe encephalopathy, seizures and coma. The latter is most frequently encountered during *thyroid storm* which has a mortality rate of up to 20%. During the period a total of 122 cases were included, of these 29.5% (n=36) were male and 70.5% (n=86) were female. From the study we concluded that thyroid abnormalities were also associated with occurrence of seizure. There is a relationship between hyperthyroidism and seizure from the odd's ratio analysis of more than one (1.63). Hypothyroidism also have a relationship with occurrence of seizure from the odd's ratio analysis of more than one (1.65).

Keywords: Seizure, thyroid function test, Thyrotoxicosis, hypermetabolism