

3rd International Conference and Exhibition on Pharmacovigilance & Clinical Trials

October 27-29, 2014 Hyderabad International Convention Centre, India

Assessment of Anti-tubercular medications induced Adverse Drug Reactions (ADRs) in South India: A Pharmacovigilance study

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Tuberculosis has been one of the common diseases in human communities during the past 40 years. It has been reported by World Health Organisation (WHO) that one-third of the world's population is infected with *Mycobacterium tuberculosis* resulting in 8.4 million new tuberculosis cases in 1999. This high incidence of infection has caused a large number of morbidity and mortality which is partly due to serious adverse reactions induced by Anti-TB drugs. One of the serious ADRs detected in this prospective observational study of six months duration is hepatotoxicity induced by Anti TB drugs. Results of the study showed that the incidence of all major adverse effects was 1.48 per 100 person's month of exposure. The occurrence of any major side effect in the study was associated with female sex. It does appear that with Anti-TB drugs used in this study the rate of ADRs increases with increased age. In our study, Hepatitis was observed in 25 (25.77%) patients, leading to the death of 2 patients. It has been estimated that 10-20% of INH receptors developed elevated liver enzymes. In contrast, if clinical symptoms occur, Severe Hepatocellular Toxicity could be happened which is associated with a higher fatality rate than that of patients whose INH was discontinued immediately.

Biography

Bhavana Vaddi is pursuing Doctor of Pharmacy (PharmD) degree in Raghavendra Institute of Pharmaceutical Education and Research (RIPER), Anantapuramu, Andhra Pradesh. She has participated and presented papers in the field of pharmacy practice and in nearly 8 national and international conferences. She is a member of various professional organizations like IPA, ISPOR - India Andhra Pradesh chapter. As a part of organizing committee volunteer, she organized national and international conferences on behalf of ISPOR India - Andhra Pradesh chapter.

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