

10TH ASIA-PACIFIC PHARMA CONGRESS

May 08-10, 2017 Singapore

Effect of *Nerium Oleander* on alcohol withdrawal syndrome and alcohol withdrawal induced anxiety

Anil V Chandewar and Alok S Tripathi

Pataldhamal Wadhvani College of Pharmacy, India

Present study evaluates the beneficial effect of *Nerium Oleander* (NO) on alcohol withdrawal syndrome and alcohol withdrawal induced anxiety. Chronic administration of alcohol was achieved by modified liquid diet for 21 days. Hydroalcoholic extract of NO was also given for the 21 days during the period of chronic alcohol consumption as per the treatment group. Alcohol Withdrawal Syndrome (AWS) like agitation, tremors, wet dog shaking, stereotyped behavior and tail stiffness were observed for 5 min at ½, 1, 2, 4, 6 hrs of alcohol withdrawal. During the same time, anxiety was observed after the alcohol withdrawal by using elevated plus maze. It was observed that behavior changes significantly ($p < 0.01$) improved in NO treated rats compared to negative control group. Even the level of anxiety were found to be significantly decreased in NO treated group of rats compared to negative control group in alcohol withdrawal induced anxiety animals. The present study concludes that hydro alcoholic extract of NO provides an alternative treatment for the management of AWS.

Biography

Anil V Chandewar is working as an Associate Professor in Pataldhamal Wadhvani College of Pharmacy, India.

avchandewar@rediffmail.com

Notes: