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Evaluation of anti-convulsant activity of ethanolic extract of *Murraya koenigii* leaves in Wistar rats

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Murraya koenigii, commonly known as curry leaf is a tropical-subtropical tree of family Rutaceae which is native to India. The leaves of *Murraya koenigii* is commonly used as seasoning for curries. It is also used traditionally for the treatment of epilepsy. The aim of the present study is to evaluate the anti-convulsant activity of ethanolic extract of *Murraya koenigii* in Wistar rats using pentylenetetrazole (PTZ) induced seizure model and maximal electroshock seizure (MES) model. Thirty adult rats of both sexes weighing 150-200 g were equally distributed into five groups of six each and subjected to seizures induced by PTZ and MES. The ethanolic extracts of *Murraya koenigii* 500 mg/kg, 250 mg/kg, 125 mg/kg were studied for its anti-convulsant activity. Sodium valproate 200 mg/kg was taken as standard and control being suspending agent- 1% between 80. All drugs were given orally one hour before the artificial induction of seizure. The test drug showed statistically significant result compared to control in both PTZ and MES models.

Biography

Pallavi M Kamath has completed her MBBS from AJ Institute of Medical Sciences, Mangalore and she is currently pursuing Post-graduate course in MD Pharmacology at JJM Medical College Davangere, Karnataka.

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