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## Urolithiasis-anti urolithic activity of extracts of roots of *Ricinus communis*

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Phytomedicine are the staple of medical treatment in many developing countries. According to article Phytomedicine in clinical trials, "Phytomedicine has become an important alternative treatment option for patient in western world, as they seek to be treated in a holistic and natural way after an unconventional response to conventional drugs. Various plant products have been tested and found to be possessed with anti urolithiatic activity. The present study was designed to investigate the anti urolithiatic activity of extracts of the roots of *Ricinus communis*. *Ricinus communis* has anti inflammatory activity, antidiabetic and hepato protective and CNS stimulant actions. To assess effect of hydroalcoholic and pet ether extracts of *Ricinus communis* on Ethylene glycol and Ammonium chloride induced urolithiasis, both extracts was dissolved in hydroalcoholic and DMSO solution for oral administration at a dose of 200 mg/kg bwt and 400 mg/kg bwt. The standard cystone at 750mg/kg bwt significantly reduced the induced urolithiasis.

**Result:** Result obtained for standard drug treated and hydroalcoholic extract and pet ether extract were compared with control (0.75% EG and 1% AC in drinking water) group and significant reduction in size and number of stone was observed.

**Conclusion:** Thus from present investigation, it can be concluded that hydro alcoholic extract of roots of *Ricinus communis* possess significant anti urolithiatic activity.

### Biography

Juhi Tiwari is an MPharm in pharmacology from Jayoti Vidya Peeth Womens' University, Jaipur, India. She has attended National and International conferences and has published research paper on antipyretic effect.

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