


The Hindu, 4 July, 2002. United States Patent and Trade Office had granted Patent No 6410059 to an "Indian innovation which has proved that cow's urine can make antibiotics, anti-fungal agents and also anti-cancer drugs more effective".

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The Indian Express, 4 July, 2002. Central Institute of Medicinal and Aromatic Plants at Lucknow established that "Certain compounds in cow urine, when used in combination with certain antibiotics like the commonly used anti-tuberculosis drug rifampicin, can help kill more bacteria than a single application of the antibiotic".


III. ABSTRACT

The present study was undertaken to investigate the pharmacological properties and safety evaluation for its usage of pregnant and non-pregnant Deoni cow urine in laboratory animals. The pharmacological activities evaluated include, analgesic, anti-inflammatory, anti-pyretic, wound healing, hepatoprotective and antidiabetic activities. Safety evaluation was carried out using sub-acute and sub-chronic oral toxicity studies in rats. Pregnant and non-pregnant cow urine were administered orally at the doses of 0.25 ml/kg and 0.5 ml/kg in all the studies and compared with control and reference groups. From the present study it was concluded that cow urine has the wound healing and hepatoprotective properties at the given doses. It was also confirmed that the cow urine is safe to consume at the given doses based on the hematological, biochemical and histological findings. Further research is needed in this field to identify the active principal compound/s of cow urine responsible for the hepatoprotective and wound healing actions.