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## Preliminary *in vivo* screening of experimentally induced gastric ulcer of *Ledebouria ovatifolia*

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*Ledebouria ovatifolia* is a wild plant widely used for medicinal purposes including diarrhoea, stomach ache and gastric ulcer in Africa rural settings. This preliminary screening aimed to evaluate the healing effect of *L. ovatifolia* on experimental induced gastric ulcer *in vivo*. Indomethacin (50 mg/kg, p. o.), ethanol (2 ml/rat, p. o.) and stress were used to induce gastric ulcer. The anti-ulceration lesion index was calculated, also the macroscopic and histopathologic assessment were made. The results showed that oral administration of *L. ovatifolia* significantly decreases gastric ulcer as compared to control group. Macroscopic and histopathologic evaluation of ulcerated stomachs of *L. ovatifolia* treated groups showed a reduced area of gastric lesion, with moderate disruption of the gastric epithelium as well as the mucosa stromal cell. This finding suggested that *L. ovatifolia* can be used for its anti-ulcerogenic properties, which may support evidence for its traditional utilization.

### Biography

Eugene Jamot Ndebia has completed his PhD from Walter Sisulu University. He is a Lecturer in Medical Physiology and Biostatistics. As a researcher, he is looking at the relation between lifestyle and cancer of the esophagus in the Eastern Cape region of South Africa where the prevalence of this cancer is very high. Also, he has an interest in clinical trials research. He has published more than 18 papers in reputed journals and serving as an Editorial Board Member of many of them.

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