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## Novel ethno-therapeutic agent against squamous cell carcinoma in sheep using wild *Ganoderma* species based petrolatum paste in Nigeria

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Squamous Cell Carcinoma (SCC) or skin cancer is the most common type of cancer in animals worldwide. There are claims of anticancer potentials of the wild *Ganoderma* sp., that is currently undergoing research, however, most of these researches involved in vitro studies methods using cell lines. Three sheep (Balami breed) were observed with cauliflower-like growths on various locations on their skins, and histopathological analysis from the skin biopsies revealed that it was squamous cell carcinoma. Using wild *Ganoderma* sp. based jelly at 6.7 mg/ml. It was applied daily for two consecutive weeks on the specific growth areas on the treated sheep, while one of the sheep served as positive control with only the petrolatum jelly applied for the same period and the third sheep served as negative control and was not administered any topical treatment. Results from this study showed progressive regression of the tumorous growth in the treated sheep following topical application of the *Ganoderma* sp., based jelly treatment until completely cured after two weeks of topical application, while progressive growth of the tumor on the skin of both controls was observed within the same treatment periods. In conclusion, this study demonstrated that wild *Ganoderma* sp., based petrolatum paste preparation alone, can cure squamous cell carcinoma in sheep when compared to the control and may be a potential novel, ethno-therapy based anticancer agent for veterinary use.

### Biography

Bala Usman Shamaki was born in May, 1969 at Kaltungo in Gombe State. He attended Nassarawa Pri. Sch. Kaltungo 1976-1978, Jama'are Centarl Pri. Sch. 1979-1980, Jekadafari Pri. Sch. Gombe, 1980-1982. He was among the pioneer students of the then Pilot Junior Secondary Sch. Gombe (1982-1985). after passing the JSSCE in 1985, he then proceeded to Govt. Sci. Sec. Sch. Darazo (1985-1987). He secured admission to remedial programme at the University of Maiduguri same year, and was admitted into Faculty of Veterinary Medicine, after successfully completing the remedial programme. He is currently an Associate Professor of Pharmacology, and the Pioneer Head of Department of the newly created Department of Veterinary Pharmacology and Toxicology, University of Maiduguri.

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