

Novel Therapeutic Agent Against Squamous Cell Carcinoma in Sheep Using Wild Ganoderma specie Based Petrolatum Paste in Nigeria

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Abstract

Background: 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 using cell lines. Methodology: A female sheep (Balami breed) was observed with cauliflower-like growth and histopathological analysis from skin biopsy revealed that it is Squamous cell carcinoma. Using a paste made from wild Ganoderma sp based jelly (6.7mg/ml), it was applied daily for two consecutive months on the specific growth areas. Results: the tumorous growth was observed to progressively regress following treatment, until completely cured after two months of topical application of the wild Ganoderma sp based paste. Conclusion: This study demonstrated that wild Ganoderma sp paste preparation alone can cure squamous cell carcinoma in sheep and may be a potential novel anticancer agent for veterinary use.

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Received: April 05, 2022

Accepted: April 16, 2022

Published: April 28, 2022

Biography

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