

Development and Evaluation of Herbal Wound Healing Formulations

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Abstract: *The aerial parts of Centella asiatica (L.) Urban and rhizomes Curcuma longa (L.) were collected, dried under shade and extracted with ethanol and water respectively. These extracts were dried. Aloe barbadensis concentrated gel powder was obtained as free sample. Each extract and Aloe gel was added with appropriate proportion in cream base and evaluated for wound healing activity against povidone iodine ointment. In excision wound model the complete wound healing was observed with cream formulation I and II treated rats was observed in 18 days where as povidone iodine ointment took 16 days. In incision wound model tensile strength of formulations I and II was found to be 366.08 ± 2.32 and 351.35 ± 3.29 gm respectively. Tensile strength of povidone iodine ointment was found 379.98 ± 2.95 gm. Herbal formulation I and II took two days more for complete wound healing as compared to povidone iodine ointment.*

Keywords: Centella asiatica, Cream formulation, wound healing activity

