

Effectiveness of *Lannea coromandelica* (Houtt.) Merrill – *Odhi* root bark powder for wound healing activity in Wistar albino rats

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Abstract

Lannea coromandelica is a well-known tree that belongs to *Anacardiaceae* family and is commonly known as *Odhi* in Tamil and *Hik* in Sinhala. Although it has been used by traditional physicians, still it has not been used in the preparation of pharmaceuticals. Root bark powder of *Lannea coromandelica* was administered in 250g of wistar albino rats. Fine powder of root bark of *Lannea coromandelica* was prepared. The animals were divided into 3 groups of 3 each. The animals of group 1 were left untreated and considered as control. Group 2 served as the standard and received Cloxacilline powder. Group 3 was considered as the test group and treated with the prepared test drug. The Powder of test drug and the standard drug were topically applied twice a day starting from the day of operation, untill complete epithelialization. Wounds were measured in width and length in the scale of mm and the size of the wound was calculated. The appearance of wound was reported as per Likert scale. The result of the study suggests the tested powder of root bark of *Lannea coromandelica* has a significant power of wound healing activity. The wounds of all animals treated with test drug completely healed while the wounds of standard and control groups persisted. It can be concluded that the root bark powder of *Lannea coromandelica* has remarkable wound healing action in wistar albino rats.

Key words: *Lannea coromandelica*, root bark powder, wistar rats

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