

To study on wound healing and formulation of cream with the help of Tridax Procumbensweed: a Review

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Submitted: 09-01-2023 Accepted: 19-01-2023

ABSTRACT:

The tridaxprocumbens is a weed found throughout India. It plays important role in the woundhealing process. A wound is a physical trauma where the skin is cut or punctured for that healing processescream is beneficial for wound healing for that Tridax Procumbens shows various activities like Antibacterial, Antifungal, Antimicrobial, Antioxidant and Wound healing.

The cream is non-trasparent and viscous thik it also easily spreadable and healing power of thecream is very fast that's why for proper healing of wounds is essential for the restoration of disruptedanatomical continuity and disturbed functional state. The creams are safe and affordable treatment forwound healing. The review provides important information of the tridaxprocumbens plant and theformulation ofthe cream.

KEYWORDS: Woundhealing,

Tridaxprocumbensweed, Formulationofcream

INTRODUCTION:

Wound healing is defined as a collection of complex process which includes different compounds likeblood cells, mediators, extracellular matrix and parenchyma cells. Wound healing is divided into two stagesinflammation process, and tissue formation, tissue remodelling for these the tridaxprocumbens plays veryimportant role in wound healing [1]. Proper healing of wounds is essential for restoration of disruptedanatomicalcontinuity and disturbed functional state [10].

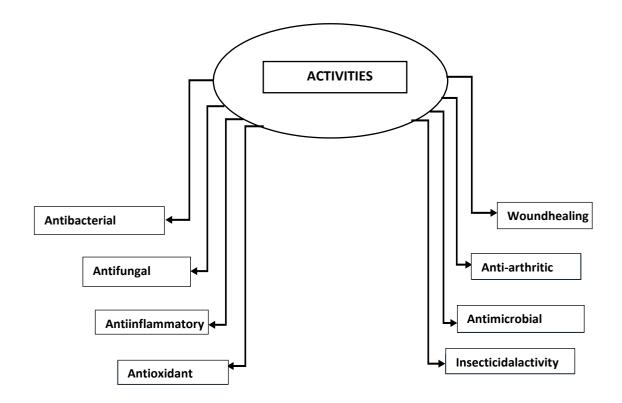
Thetridaxprocumbensisawidelyspreadhispi d,procumbens

herb, usually found as a weed [11]. The trid ax procumbe ns plant is also known as "Coat buttons" and 'Ghamra' [9]. A perennial plant from the Asteraceae family [2], It is a little green colour plant having perennial, 15-40cm high. It have flowers ray florets and disk florets with basal placentation [3].



Volume 8, Issue 1 Jan-Feb 2023, pp: 543-547 www.ijprajournal.com ISSN: 2249-7781

${\bf THETRIDAXPROCUMBENSPLANTSSHOWSTHEVARIOUSACTIVITIES SHOWINFOLL WINGCHART}$



Because of all the above activities the Tridaxprocumbens is very useful in the formation of the cream forthe wound healing [4]. Cream are the thick liquid preparation which is easily

spredable and easily adsorbedonskinrapidonset actionbecause of that creamformulation of wound healing is perfect [5].

SOMEPHYTOCHEMICALSINTRIDAX PROCUMBENSPLANTSHOWSACTIVITISFORWOUNDHEALING[3]

	ACTIVITY	PLANTPART	PHYTOCHEMICALS
1.	Anti- inflammatoryandAntioxi dant	WholePlant	• CentaureidinR=H(5mg) • CentaureinR=GUb(105 mg)
2.	Antibacterial	Aerialpart	 Luteolin-4'-ο-β-D-glucopyranoside 3-o-methylquercetin-4'ο-β-D-glucopyranoside
3.	Antioxidiant	Wholeplant	Puerarin(68.2mg)Esculetin(27.4mg)

DOI: 10.35629/7781-0801543547 | Impact Factor value 7.429 | ISO 9001: 2008 Certified Journal Page 544



Volume 8, Issue 1 Jan-Feb 2023, pp: 543-547 www.ijprajournal.com ISSN: 2249-7781

4.	Antiseptic	Leaves	• Kaempferol



INGREDIENTSOFPREPARINGCREAM[6]

Sr.No	NamesofIngredients
1.	Tridaxprocumbenspowder
2.	Papaya
3.	Heena
4.	Neem
5.	Marigold
6.	Aloevera
7.	Ointmentbase

INGREDIENTSWHICHSPEEDUPTHEWOUN DHEALING[7]

- Hyaluronicacid
- VitaminE
- CoenzymeQ10
- Lysine
- Niacinamide
- VitaminA
- Zinc (is essential used for wound healing it is in minerals and shows action of antiinflammateryproliferative)



Volume 8, Issue 1 Jan-Feb 2023, pp: 543-547 www.ijprajournal.com ISSN: 2249-7781

EXTRACTIONMETHODFORTHETRIDAXP ROCUMBENSPOWDER[8]

The leaves of Tridaxprocumbens are collected and dried under shade and grind in the electrical grinder tocoarse powder. Powdered

leaves were extracted for 24 hours each with aqueous (chloroform water), alcohol, and petroleumether (60-80°c) and dryunder reduced pressure.

INGREDIENTSFORPREPARATIONOFOINTMENT[6]

Sr.No	Nameofingredient
1.	Whitewax
2.	Whitepetroleum
3.	PEG300
4.	Cetostearylalcohol
5.	Methylparaben
6.	Propylparaben

USES OF THE CREAM

- **1.** Itisveryusefulfor woundhealingorreplicationsoftissue.
- **2.** Italsousestopreventthe woundfrom oxygenthat's whyitshows antioxidant activity.
- 3. Italsopreventsthewoundfrominsects.
- **4.** Itkillsmicrobeslikebacteria andfungionwounds[12].

CONCLUSION:

The aim of this review was to formulate different herbals into cream for wound healing the review alsoprovides important information about the Tridaxprocumbens plant [6]. The cream contains the properties of Tridaxprocumbens, Aloe vera, Marigold, Neem, Papaya, and Vitamin E that nourishmentfor help to provide wounds. Tridaxprocumbens contains various phytochemicals that show anti-inflammatory, antioxidantand antibacterialthatare importantfor woundhealing[3].

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Volume 8, Issue 1 Jan-Feb 2023, pp: 543-547 www.ijprajournal.com ISSN: 2249-7781

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