



“Management of *Keloid* with local application of *Neem & Raktchandana Lepa.*”

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Abstract:

When there is injury may be due to trauma, burn, or surgery. There is formation of scar tissue or fibrous tissue. This is attempt of body to repair itself by forming the bi product scar tissue or fibrous tissue. In some cases scar tissue grows excessively forming smooth hard growth called *keloid*. Typically *keloid* is not harmful to health. And it is do not require medical attention as like other skin problems. Unless and until it is appear on exposed areas like neck, face etc. People having cosmetic attention require treatment for it. Sometime the hardened tight scar tissue may restrict the movement. The available treatment for *keloid* is local

corticosteroid injection which reduced inflammation and shrunk the *keloid* and surgery. But the chance of relapse is there with worst condition. *Neem & Raktachandan lepa* for local application is used in this case. It contains natural alkaloids and steroid which relives inflammation and shrunk *keloid*.

Key words- *Keloid, Rakt-chandana, Pterocarpus santalinus, Neem*

INTRODUCTION:

Formation of scar after any type of trauma or Injury is the natural response of the body to repair itself by forming this bi product. But in this healing process, if there is excessive

growth of fibrous tissue which maybe smooth or hard, with overproduction of collagen forms *keloid*. *Keloid* is red or purplish mass, unattractive, severely or even be painful. *Keloid* also may cause due to skin injuries like scratches, surgical cuts, burns, vaccination (i.e. site of pricking). *Keloid* scars may be itchy with local irritation after friction with cloths. Hardened tight scar may restrict the movement. *Keloids* tend to have a genetic component. Common in age group from 10 to 20 yrs. Found commonly on upper chest & shoulder regions. Generally it is benign in nature. Uncontrolled growth may be a cancerous sign. Treatment of *keloid* is applying pressure through mechanical compression. Local corticosteroid Injection to reduce the inflammation. Moisturizing oils to keep the tissue soft which avoid itching. Freezing the tissue, laser or radiation treatment to shrink it. Surgery to remove, But after surgery recurrence of *keloid* may be there. Sometimes it will be larger than previous one.

Assessment: Photo of *keloid* affected part before & after treatment.

MATERIAL AND METHOD:

Material- . *Neem & Raktachandan lepa*

Quantity- As per requirement.

Collection- Daily.

Application- At the site of *keloid* twice a day. When dried up it was removed by the patient with warm water.

CASE REPORT:

A 16 year male patient came in OPD of kayachikitsa department of KDMGs Ayurvedic Medical College, Chalisgaon. With formation of *keloid* on right knee joint. History revealed tendency of body to *keloid* formation after every injury, which added another two sites on chest also. There was no any health problem due to *keloid* like pain, itching at the site of *keloid*. Patient came to us for cosmetic concern only.

MANAGEMENT

Local application of *Neem & Raktachandan lepa* for 15 days. Patients gets relief so the same procedure continues for next 15 days.

OBSERVATIONS

Reduced in size: before treatment -5cm; after treatment - 4cm. Change in consistency- before treatment -hard; after treatment -soft. After application of *Neem & Raktachandan lepa* local tightness is reduced first. Followed by change in consistency and reduced size of *keloid*.

DISCUSSION:

Although *keloid* does not require medical treatment there is no harm to health due to it. Only patient with cosmetic concern wants to treat it without any harm. The line of management which is available is to reduce the swelling & hardness of *keloid*. And surgical removal but surgical removal may worsen the condition with bigger *keloid* formation after surgery. So typical management with *Neem & Raktachandan lepa* is decided in this case. Which helps to reduce the local inflammation. Also act as mechanical compression due to sticky nature of *lepa*. It reduce the collagen production by restrict blood supply which helps to shrunk *keloid*.



pre treatment



post treatment

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