



USE OF MAHA-MANJISHTADI GHRUT IN BURN CASES

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Article Received on 09/10/2018

Article Revised on 29/10/2018

Article Accepted on 19/11/2018

ABSTRACT

Treating a burn case is a big challenge for surgeons across the world. In this study, I tried my level best to introduce the opportunities in the field of surgery specifically in burn cases by contribution of Ayurveda referring to Sushruta Samhita. Maharshi Sushruta has described a very good formula for treating / dressing burn injuries. I rationally use this formula from my P.G. studentship. I observed that in a very short period, patient is recovered with less complications. Moreover, there is no post-burn contractures or hypertrophic scar, on the contrary, patient gets a new, fair, shiny & glowing skin due to the application of Maha-Manjishtadi ghrut, so surgeons to advocate a wider adoption of this Maha-Manjishtadi ghrut.

KEYWORDS: Burn, Maha-Manjishtadi ghrut, No post burn contractures, fair skin gain.

INTRODUCTION

‘Burn’ means, ‘दग्ध’

This is a very serious & challenging topic for this modern world.

There are multiple kinds of creams, ointments, dressing materials like bactigrass, kollagen (Biological skin dressings) available in the field. That helps to heal the burn wounds but surely not avoid the post burn contractures as well as hypertrophic scar completely.

But in Ayurveda, our Maharshi Sushruta has already described all these solutions 5000 yrs ago in his scripture ‘Sushrut Samhita’.

मधुच्छिष्टं समधुकं रोधं सर्जरसं तथा ।
मन्जिष्ठां चन्दनं मुर्वा पिष्ट्वा सर्पिविपाचयेत् ॥
सु.सू. 12-27

सर्वेषामग्निदग्धानामेतद्रोपणमुत्तमम् ।
स्नेहदग्धे क्रियां रुक्षां विशेषेणवचारयेत् ॥
सु.सू. 12-28

Mom, Mulethi (Glycerrhiza glabra), Lodhra (Symplocos Racemosa), Ral, Sarj-Ras (Vateria Indica), Rakta-Chandan (Pterocarpus Santalinus), Murva (Marsdenia Tenacissima) & Go-ghrut – these are the ingredients of Mah-Manjishtadi Ghrut. All kinds of burns is recovers fast without any complications like post burn contracture

& hypertrophic scar, moreover the patient gets new fair, shiny & glowing skin. Is it not a miracle ?

Also patient have no need to undergo plastic surgery to release the post burn contracture, etc.

In this study, I have explained my experience relating to more than 200 burn patients from 10% to 50% of burns.

Aim of the study

During my internship at civil hospital, Jalgaon (Maharashtra), I saw many patients in the burn ward of various category, most of the patients died because of septicaemia, not taking proper care like daily dressing, cleanliness, nursing care, fluid management, electrolytes & protein management & blood transfusion, etc. Those patients, who had fortunate, discharged live but they look very ugly, because of the complications of the burn.

Then, I thought that, it is not impossible that there will be no solution in Ayurveda, then I decided to work on this topic & to put the another gems of Ayurveda in front of the new modern world.

Of course, there is a great solution for burns in Ayurveda. i.e. various types of medicated Ghrut, Maha-Manjishtadi Ghrut is one of them.

A burn is a wound in which there is coagulative necrosis of the tissue.

Objectives

- Evaluating Maha-Manjishtadi Ghrut as local application in case of burn.
- To study the period of healing & complications (like contractures & hypertrophic scar).

Hypothesis

Definitely, the result will be positive. Because ghrut has those qualities which helps to re-epithelialise the skin & to

heal the nerve ends. So Maha-Manjishtadi Ghrut will be helpful in burn cases.

Scope & significance

All over the world there is inventing new drugs, modifications, techniques in other medical science but there is very few researches & dressings materials are available to treat the burn patient till today. So there is a great scope for application of Maha-Manjishtadi Ghrut in burn patient.

MATERIAL AND METHODS

Material – Mahamanjishtadi ghrut, Sterile roller bandages (size 4 inches).

**Method**

Before application of Maha-Manjishtadi ghrut, all debris, discharge, crust by gentle mechanical washing the burn area with sterile water or NS then carefully with no causing any trauma to healthy granulating tissue, application of Maha-Manjishtadi ghrut is to be applied, under strictly aseptic precautions, Application of already made sterile guaze roll of Maha-manjishtadi ghrut over burnt area till re-epithelialisation begins.

Daily cleaning & application of new Maha-Manjishtadi ghrut roller bandages over burnt area.

Inclusion criteria

Total 30 patient were taken for this study.

- 1) Burn from 20% to 50%.

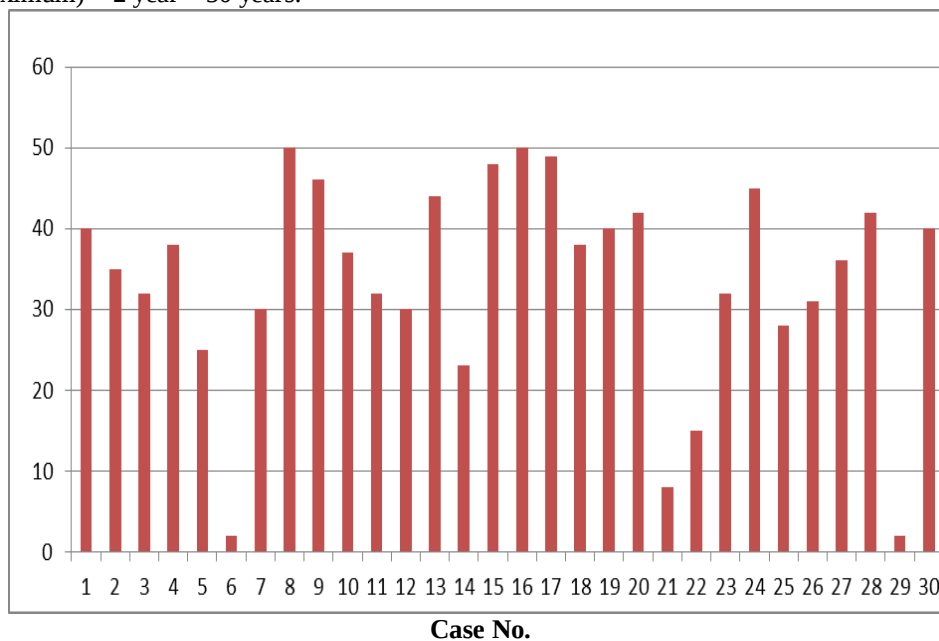
- 2) Both sex- male & female include.

Exclusion criteria

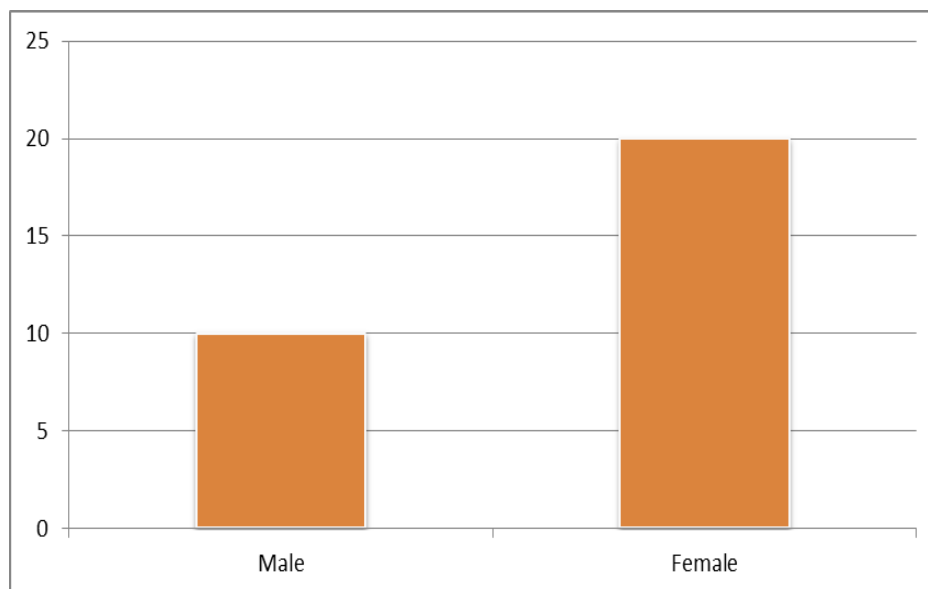
- 1) Patient having DM, Hypertention, Thyroid disease, Asthma & any other complicated medical disease.
- 2) Burn less than 20% & more than 50%.

Data analysis1) **Age** (mean) = 38 year.

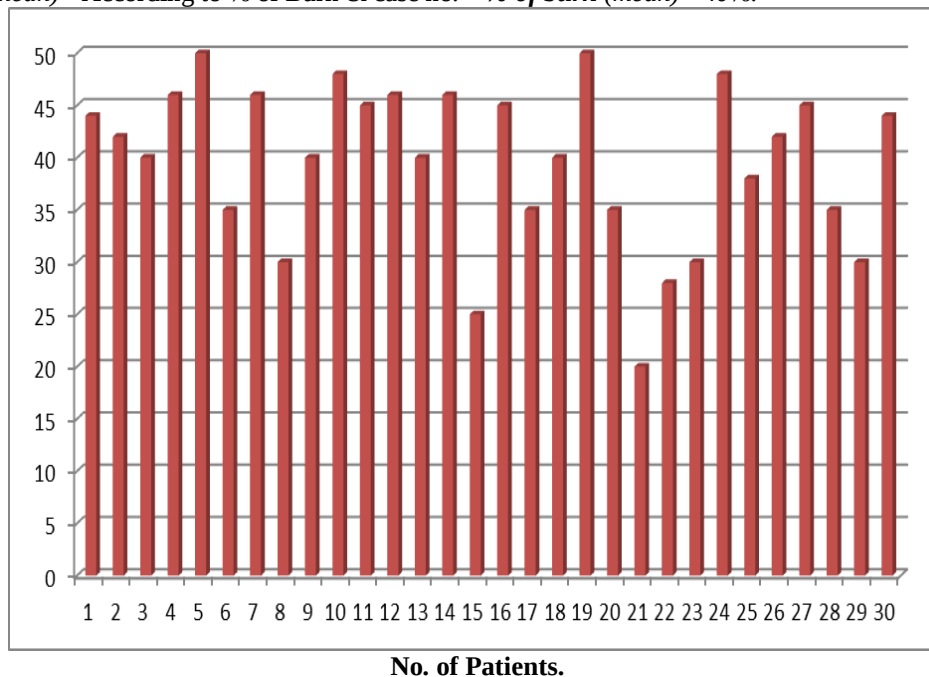
(Minimum-Maximum) = 2 year – 50 years.

**2) Sex**

Male	10
Female	20

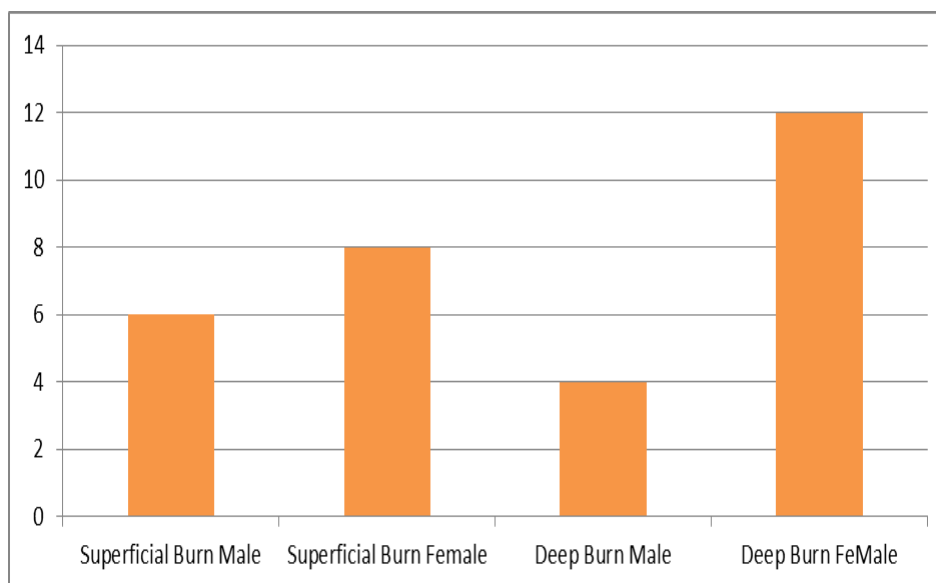


3) % of burn (mean) - According to % of Burn & case no. – % of burn (mean) - 40%.



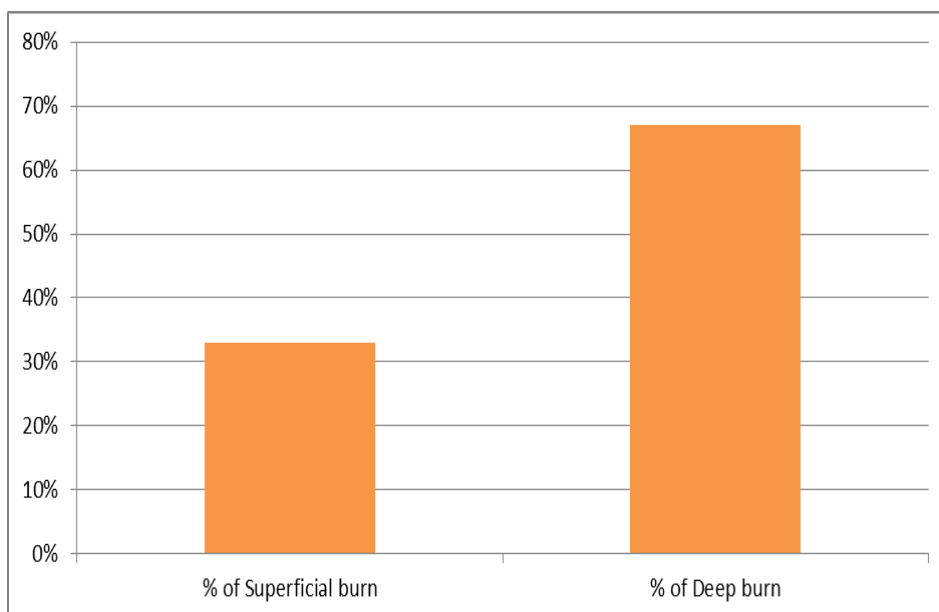
4) Type of Burn

	Male	Female
Superficial Burn	6	8
Deep Burn	4	12
Total	10	20



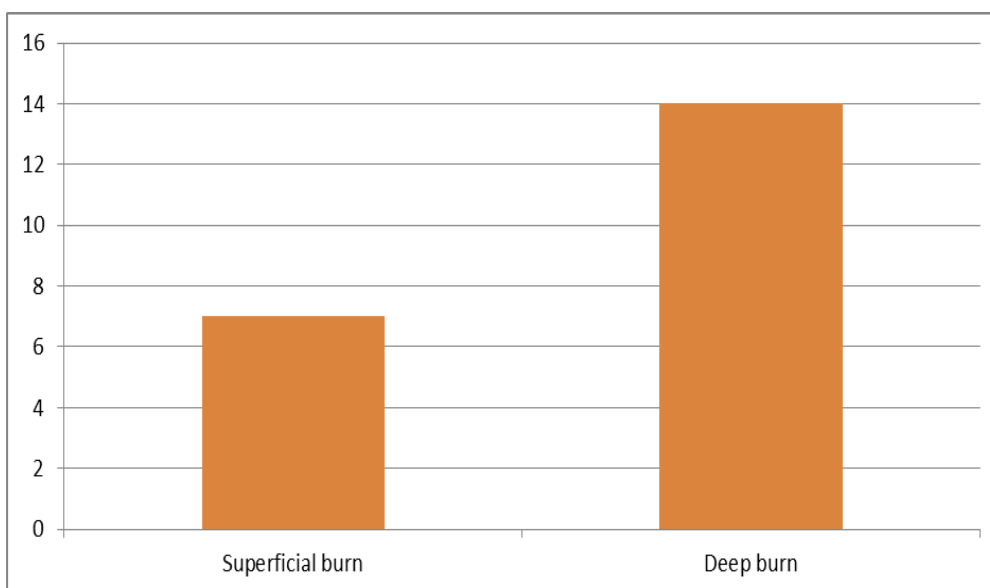
5) % of burn

Superficial Burn	33%
Deep Burn	67%



6) Day of Recovery

	Day
Superficial Burn	7
Deep Burn	14



Post burn contracture – Nil.

Hypertrophic scar – Nil.

Complication

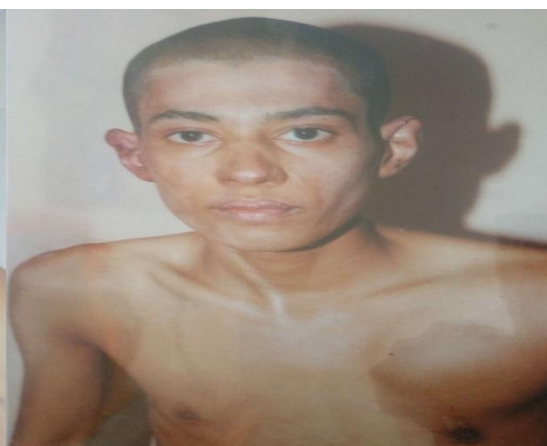
Local Deformities
& systemic

} Not Significant

For example – (few case studies) -



Before treatment



After treatment



RESULT

- 1) 20 female & 10 male patients were taken for the study.
 - 2) The mean patient age was 38 years (range 2-50 years).
 - 3) For present study, patients from 20-50% of burn was selected.
 - 4) Superficial burn patients including male & female were total 10 & deep burn patients including male & female were total 20.
 - 5) Superficial burn cases were 33% & deep burn cases were 67%.
- The mean value of burn % was 40%.
- 6) Superficial burn recovers completely within 7 days & Deep burn within 14 days without any complications.

No post burn contracture or hypertrophic scar was observed & better result than any other local applicator like furacin, betadine oint., silver sulphadiazine, etc.

DISCUSSION

- 1) That the Maha-Manjishtadi ghrut contributes to the prevention and control of infection.
- 2) That the Maha-Manjishtadi ghrut preserves healthy granulation tissue.
- 3) That the Maha-Manjishtadi ghrut decreases evaporative water loss, (because of its viscosity & thick dressing material).
- 4) That the Maha-Manjishtadi ghrut covers exposed sensory part & therefore decreases pain.
- 5) That the Maha-Manjishtadi ghrut protects neurovascular tissue & tendon.
- 6) That the Maha-Manjishtadi ghrut maintains proper joint function because of continuous lubrication / oleation achieved by ghrut, so restricted movements as well as contractures of joints are avoided.
- 7) To avoid the systemic complication, Go-ghrut in any form should be administered parenterally to the patient.

(To avoid curling's ulcer –most common complication in burn.) In burn condition G.I. mucosa becomes dried because of dehydration & all the mucous of the body shifted towards the burn area to repair the burnt part, so because of dryness, erosions form & convert into ulcers. Nearly 80% of our immune system is located in the lining of our gut, if G.I. tract dries, then it will not do its job properly as well as accumulation of pus for a long time in the burn area, that's why burn patient goes into septicemia very early.

In Ayurveda, Ghrut is used as a carrier for the nutrients in herbs and to lubricate the intestinal tract and all the tissue inside the body supports the primary source of energy (Butyric acid) & immunity for the cells of the gut.

- 8) Definitely, burn is a serious condition so Maha-manjishtadi Ghrut application is one of the best dressing part in the treatment of burn with all other criteria should be followed like dressing in strictly aseptic precaution, fluid resuscitation, antibiotics, nutritional resuscitation, etc are essential part in the treatment of burn.

- 9) In addition to the healing benefits, ghrut provides omega-3 & omega-9 essential fatty acids, when ghrut taken orally, helps to control inflammation in burn condition.

- 10) As well as this Maha-Manjishtadi ghrut actively diffuses through the eschar providing protection in the depth of the eschar at the interface between the viable & non-viable tissues.

CONCLUSION

Maha-Manjishtadi ghrut has proved that it is a very useful material for local & systemic treatment in case of burns.

Maha-Manjishtadi ghrut has great significance in not only recovering/re-epithelialising the burn area quickly with fair skin but also avoids the post-burn contractures & hypertrophy of the skin with many other healing properties too.

Financial support and sponsorship – Nil.

Conflicts of interest – There is no conflict of interest.

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