EFFICACY OF PANCHATIKTA GHRIT GUGGUL IN THE MANAGEMENT OF MANDAL KUSHTHA WITH SPECIAL REFERENCE TO PSORIASIS

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ABSTRACT

The word Psoriasis is derived from the Greek word ‘Psora’ for ‘Itch’. The prevalence is approximately 1-3% in population. It usually appears first between ages of 15 to 30 years. The clinical course of Psoriasis is very variable. It is a very common, non specific skin disorder with distinct clinical feature and can be compared with ‘Mandal Kushtha’. Mandal Kushtha is Kapha type of disorder, having signs like unctous, white, stable patches over skin. In a present study a clinical trial was conducted on 30 patients in order to prove efficacy of drug ‘Panchatikta ghrita guggul’ in Mandal Kushtha.

Type of Study was plain randomized. ‘Panchatikta ghrita guggul’ was given in the dose of 1gm BD, with anupan of hot water, after meal for 90 days. After completion of treatment we found that, the total % of relief was 58% in subjective parameters.

Key words: Mandal kusht, Psoriasis, Panchatikta ghrit guggul.

INTRODUCTION

Psoriasis is a disease of unknown etiology, and contributing immune system of body. There are two epidemiological patterns of Psoriasis, First shows- an onset in the teenage and early adult age. Such individuals frequently have a family history of Psoriasis and there is increased prevalence of HLACW6. In second pattern- Onset is in an individual’s fifties or sixties, a family history is less common and HLA group CW6 is not so prominent1. So triggering factors for psoriasis are hereditary or family history, injury to skin, Hypercholesteremia, certain toxic drugs, emotional stress & anxiety2. Ayurveda attributes following etiological factors like incompatible food items & liquids, unctous & heavy substances, suppress the natural urges particularly of vomiting3, are exposed to physical exercise & intense heat after eating excessively, use cold and hot, lightening measures & diet against the prescribed order4, take food during indigestion, use contraindicated items while undergoing Panchakarma5, use excessively new cereals, curd, fish, salt & sour substances6, perform sexual intercourse during indigestion, sleep regularly in day etc7. In current study drug selected is Panchatikta ghrit guggul, reference from Bhaishyaratnavali kushthrogadhikara8, which is combination of 5 drugs which has bitter taste (tiktarasatmak). So probable mode of action of Panchatikta ghrita guggul can be considered as, All properties of this drug acts on cellular level of skin decreasing Keratinization of skin layer thus improving cell cycle as a result of these symptoms like itching, extensive patches, unctuous & raised red color of patches were reduced giving normal texture to skin.

Aim

To evaluate the efficacy of Panchatikta ghrita guggul in the management of Mandal kushtha with special reference to Psoriasis

<table>
<thead>
<tr>
<th>Drug</th>
<th>Latin name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nimba</td>
<td>Azadirachta indica</td>
</tr>
<tr>
<td>Guduchi</td>
<td>Tinospora cordifolia</td>
</tr>
<tr>
<td>Vasa</td>
<td>Adhatoda vasika</td>
</tr>
<tr>
<td>Patol</td>
<td>Trichosanthes dioica</td>
</tr>
<tr>
<td>Nidigdhaka</td>
<td>Solanum xanthocarpum</td>
</tr>
<tr>
<td>Gheria</td>
<td>Ghee</td>
</tr>
<tr>
<td>Guggul</td>
<td>Commiphora mukul</td>
</tr>
</tbody>
</table>

Table 1: Contents of panchatikta ghrit guggul

Objectives

• To study Ayurved & Modern concepts of Psoriasis.
• To study the mode of action of Panchatikta ghrita guggul in the management of Psoriasis (Mandal Kushtha).
• To study changes in subjective parameters of disease with help of statistical data.

MATERIALS AND METHODS

Source of Data- Patients having sign & symptoms of Psoriasis (Mandal Kushtha), consulting the OPD of SSNJ Hospital, Solapur.


Number of patients- clinically diagnosed 30 patients of Psoriasis (Mandal Kushtha) were selected.

Type of study- Plain randomized

Open randomized study

Clinically diagnosed 30 patients of Mandal Kushtha.

Drug- Panchatikta ghrita guggul

Dose- 1 gm BD in tablet form

Anupana – Kosha jala
Route of administration- Orally

Total duration of treatment- 12 weeks

Follow up – After 15 days

Drug Review*
Pharmaceutical study of tablets

Moisture content- 7.44%
Ash value- 8.95%
Water extract- 41.5%

Inclusion Criteria
- Patients having signs & symptoms of Mandal kushtha or Psoriasis
- Age - 20-60 years.
- Sex- both sexes
- Patients who were willing to give informed consent were included in study

Exclusion Criteria
- Age- below 20 & above 60 years.
- Pregnant & lactating women
- Patients having severe systemic illness
- Patients having signs & symptoms of Leprosy

Table 2: Symptom wise relief before & after treatment

<table>
<thead>
<tr>
<th>Symptoms</th>
<th>Before treatment score</th>
<th>After treatment score</th>
<th>Relief</th>
<th>Relief %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Perspiration</td>
<td>57</td>
<td>2</td>
<td>55</td>
<td>96.49</td>
</tr>
<tr>
<td>Deranged complexion</td>
<td>85</td>
<td>22</td>
<td>63</td>
<td>74.12</td>
</tr>
<tr>
<td>Appearance of patches</td>
<td>89</td>
<td>15</td>
<td>74</td>
<td>83.15</td>
</tr>
<tr>
<td>Itching</td>
<td>85</td>
<td>11</td>
<td>74</td>
<td>87.06</td>
</tr>
<tr>
<td>Pain</td>
<td>70</td>
<td>2</td>
<td>68</td>
<td>97.14</td>
</tr>
<tr>
<td>Red / white color of patches</td>
<td>89</td>
<td>6</td>
<td>73</td>
<td>92.41</td>
</tr>
<tr>
<td>Stability of patches</td>
<td>84</td>
<td>6</td>
<td>78</td>
<td>92.86</td>
</tr>
<tr>
<td>Patches joined with each other</td>
<td>80</td>
<td>20</td>
<td>60</td>
<td>75.00</td>
</tr>
<tr>
<td>Horripilation</td>
<td>29</td>
<td>0</td>
<td>29</td>
<td>100.00</td>
</tr>
<tr>
<td>Exhaustion</td>
<td>39</td>
<td>0</td>
<td>39</td>
<td>100.00</td>
</tr>
<tr>
<td>Unctuous</td>
<td>67</td>
<td>1</td>
<td>66</td>
<td>98.51</td>
</tr>
</tbody>
</table>

RESULT & DISCUSSION

Drug selected for trial is Panchatikta ghrita guggul reference from Bhaishhyaratnavali Kushthrogadhikara. The main contents of this drug are Panchatikta gana dravyas, ghee & Guggul. So probable mode of action of Panchatikta ghrita guggul can be said as all contents are having tikta rasa, laghu & ruksh contents are having tikta rasa, laghu & ruksh

CONCLUSION

Psoriasis can be compared with Mandal Kushtha, due to its diffused & difficult to treat nature. A clinical trial was conducted on 30 patients of Mandal Kushtha. Observations noted during trial were -

1. Appearance of Mandal Kushtha in female was 43% & in Male 57%
2. 87% Hindu & 13% Muslim Patients were included in study
3. 80% married & 20% unmarried patients were suffering from Mandal Kushtha
4. Socio-economic distribution as 3% in rich class, 64% in middle class, 33% in poor class.
5. 63% patients were having loss of appetite (Mandagni)
6. 17% patients had tobacco addiction, 43% had tea addiction, and 27% had no any addiction.
7. 3% patients had constipation, 10 had irregular bowel habits, and 87% had normal bowel habit.

OBSERVATIONS

In present clinical trial results were obtained with the help of t-test. Highly significant changes were obtained in perspiration, Horripilation, Exhaustion, Itching & Unctuous symptom. Out of 13 symptoms 2 symptoms were got poor relief i.e. 17%. 3 symptoms got moderate relief i.e. 25% and 7 symptoms got good relief i.e. 58%.
conducted on 30 patients in order to prove efficacy of drug ‘Panchatikta ghrita guggul’. Drug was given in dose of 1gm BD, with Anupan of hot water, after meal for 90 days. After completion of treatment the relief 58% was assessed, in subjective parameters. From present clinical trial & discussion it can be concluded that Mandal kushtha is more prevalent in male more than female. In causative factors mainly incompatible food items & liquids, unctuous & heavy substances are seen. Mental stress is main causative factors in probably all patients. The patients who are having more than 10 years of chronicity have poor results. The drug Panchatikta ghrita guggul is more effective in mild & moderate cases of Psoriasis (Mandal Kushtha).

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