

Preparation of *Dadruvidravan Malhar* and its standardization.**Sultana Perween^{*1}, Uma Shanker Chaturvedi², Ajay Kumar Singh³**

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ABSTRACT: *Dadruvidravan Malhar* is developed on the basis of *Malhar Kalpana* process mentioned in *Rasatarangni*, which is very effective in *Dadru*. *Dadruvidravan Malhar* is a great composition given in *Rasa Tarangni*, which is describe very effective in *Dadru*. Its constituent is, *Gandhaka*, *Tankana*, *Chakramarda*, *Tila Tail* seed, *Laksha* and *Shiktha*. *Sikthatail* acts as an emollient or as a base in the preparation of *Malhar*. Almost all ingredients are *Kusthaghna*, especially *Chakramarda*, which is well known *Kushthaghna*, *Kandughna*, *Dadrughna*. Its seed is anti-inflammatory, anti-fungal, anti bacterial and effective in skin diseases.

Keywords: *Malhar*, *Gandhaka*, *Tankana*, *Chakramarda*, *Tila Tail* seed, *Laksha*, *Shiktha*.

Introduction:

During the 19th century the *Malhar* word from *Unani Vaidayak* is adopted as a substitute for *Pradeh*, *Kalk* or *Lepa*. *Yogratnakara* mentioned it, as *Malhar kalpana*. This is called *Malhar Kalpana* because it removes *Mala* (residue etc) from *Vrana*, *Vidhradi*, *Tvakvikar* etc. This is similar to ointments (unguentum) in modern pharmaceuticals.

Dadruvidravan Malhar is a great composition given in *Rasa Tarangni*, which is describe very effective in *Dadru*. Its constituent is *Tila Tail*, *Gandhaka*, *Tankana*, *Chakramarda* seed, *Laksha* and *Shiktha*. *Sikthatail* acts as an emollient or as a base in the preparation of *Malhar*. Almost all ingredients are *Kusthaghna*, especially *Chakramarda*, which is well known *Kushthaghna*, *Kandughna*, *Dadrughna*. Its seed is anti-

inflammatory, anti-fungal, anti bacterial and effective in skin diseases.

Material and Method

Dadruvidravan Malhar is developed on the basis of *Malhar Kalpana* process mentioned in *Rasatarangni*. *Dadruvidravan Malher* is a Mineraloherbal formulation having six ingredients in its composition. Ingredients of *Dadruvidravan Malhar* are *Gandhaka*, *Tankana*, *Chakramarda* seed, *Laksha*, *Tila Taila*, and *Shiktha*. *Tila Taila Murchhana*, *Sodhana* of *Gandhaka*, *Sodhana* of *Tankana*, preparation of *Siktha Taila*, and preparation of *Dadruvidravan Malhar* was done. Fusion method is applied in preparation of *Malhar*, clinical trial was done on *Dadru* patients with random selection method is used, irrespective of their age, sex, religion, and occupation etc. Scoring pattern adopted for the study.

Ingriedents	Amount
Siktha Tail	5520gm
Suddha Ghandhak	460gm
Suddha Tanken	230gm
Chakramarda seed	230gm
Laksha	230gm

Procedure:

All materials were weighed exactly. All the ingredients except *Siktha* & *Tila Taila* were grinded separately in different *Khalva*. *Skitha Tail* was heated in stainless steel vessel. Powdered ingredients were added in it, in descending order of their melting points. This method is called fusion. The mixture was stirred continuously to ensure homogeneity. On cooling the ointment was kept in wide glass container.

Results:

The analytical studies showed that drug does not contain any microbes and, also comes under standard parameter of superficial ointment.

Characteristics	Result	Requirement
Thermal stability	Passes the test	To pass the test
pH	8.29	4.0 - 9.0
Total fatty substances in % by mass	80.22%	NLT 5.0%
Total residue in % by mass	92.3%	NLT 10%
Heavy metals (as Pb)	Less than 20 ppm	NMT 20 ppm
Arsenic (as As ₂ O ₃)	Less than 2 ppn	NMT 2 ppm

Microbial limit:

Characteristics	Result	Requirement
1. Total viable count	10 cfu/gm	NMT 1000 cfu/gm
2. gram negative pathogens		
a) Escherichia coli	Absent/gm	Absent/gm
b) Pseudomonas aeruginosa	Absent/gm	Absent/gm

Discussion:

Fusion method is ideal for preparation of *Dadruvidravan Malhar*. *Ghandaka* has antifungal and antimicrobial properties. *Tankana* and *Chakramarda* seed also have antifungal properties. *Laksha* contains colouring matter pigmentaccin, which help in regain normal skin colour. *Tila Taila* as well as *Siktha* acts as chemical drug penetration enhancer.

Conclusion:

Dadruvidravan Malhar is developed on the basis of *Malhar Kalpana* process mentioned in *Rasatarangni*. The *Sodhana* of *Gandhaka* not only removes the impurities but also improve the quality

and therapeutic activity for external administration without producing any harmful effects. The analytical studies showed that drug does not contain any microbes and, also comes under standard parameter of superficial ointment. Fusion method is ideal for preparation of *Dadruvidravan Malhar*.

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