



PHARMACEUTICAL STUDY OF VISYANDAN TAILA IN BHAGANDARA VRANA

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ABSTRACT

Bhagandara is a chronic purulent disease in pelvic and periannal region with symptoms like pain, itching, burning sensation, pus discharge around in the anus. Wound healing is the major problem in treatment of *bhagandaravrana*. In Ayurveda classics various tropical pharmacological preparations are described for wound healing. *Visyandantaila* is one of the best among them. The present study was to evaluate the efficacy of *Visyandantaila in Bhagarndara Vrana*. The drug was prepared with pharmacognostically authenticated raw drugs & followed by detail analytical study as per standard protocol.

KEYWORDS: Bhagandara, Visyandanataila, Phytochemical Components.

INRODUCTION

Bhagandara is a chronic purulent inflammation usually affects anal and perianal region. It initially manifested by an abscess followed by continuous discharge of pus through the tract and leads to an unhealed condition. Improper care and negligence to the disease lead the patient to seriousness occasionally. It is a common problem in today's life style and it is very difficult to treat even by modern methods also. Though it is having different type of treatments like fistulotomy and fistulectomy then also surgeon fear to operate it, because of its high rate of recurrence and delay in wound healing due to frequent chance of infection by sweat, fecal matter, soiling, discharges etc.

In this study Visyandanataila is prepared from ten drugs single drugs *citraka, Trivritta, Arka, Snuhi, Patha, Kathagullara, Karavira, Vacha, Langali, Jyotismati* taken in equal amount and murchitatilataila with Tailapakavidhi for external application. These are taken with hypothesis that these drugs are effective and safe for local application in *bhagandaravrana*.

MATERIAL AND METHODS

Contents of Visyandana Taila

Sl. No	Ingredients	Quantity
1	MurchitaTilaTaila	3 lt.
2	Kalka dravya	
	i. Bark of Citraka (<i>Plumbago zeylenica</i>)	60 gm
	ii. Root of Trivritta (<i>Operculinaturpethum</i>)	60 gm
	iii. Root of Arka (<i>Calotropis procera</i>)	60 gm
	iv. Root of Snuhi (<i>Euphobianerifolia</i>)	60 gm
	v. Root of Patha (<i>Cissampelospariera</i>)	60 gm
	vi. Bark of Kathagullara (<i>Ficushispida</i>)	60 gm
	vii. Root of Karavira (<i>Nerium indicum</i>)	60 gm
	viii. Root of vacha (<i>Acorus calamus</i>)	60 gm
	ix. Bark of Langali (<i>Gloriosa superba</i>)	60 gm
	x. Seeds of Jyotismati (<i>Celastruspaniculata</i>)	60 gm
	xi. Haritala (Orpiment, AS_2O_3)	60 gm
	xii. Sarjikshara (Washing soda)	60 gm
3	Water	12 lt

A. Preperation of Visyandana Taila

Visyandanataila was prepared as per the reference of vaisajyaratnavali in the pharmacy of Gopabandhu Ayurveda Mahavidyalaya, Puri, Odisha.

- i. Equal quantity of the powdered raw drugs were taken and pasted together so as to make it into kalka form, with the help of water.
- ii. Then the Murchitatilataila was added to it in a quantity of 4 times than that of kalka.
- iii. After that water was added in a quantity of 4 times than that of the quantity of Murchitatilataila, i.e. in total 16 times than that of kalka.
- iv. The paka was completed over mandagni. This was not prepared in one day only rather it was completed on second day. Because, if the paka of any snehadravyas is finished in more than one day, then the quality or properties of that particular snehakalpana is increased.
- v. The paka was done till the snehapaka siddhi lakshana, i.e. *phenoudgamais* obtained. The kalka was soft in consistency and when it was put in fire, it burnt without producing any cracking sound. Moreover, when the *kalka* was rolled in between the fingers, a *varti* was

formed. The above all observations indicate that *kalka* does not contain any watery content. It proved that the *tailapaka* was faultless.

vi. Then the taila was taken off from the fire and allowed for self cooling.

vii. Afterward it was filtered with the help of fire cloth.

Sealing and Preservation

The prepared taila was packed in glass bottles, sealed and kept ready for use.

Analytical study

After preparation, *Visyandanataila* has been send to Quality Control Labrotary ALN Rao Memorial Ayurvedic medical college, Koppa, Kranataka for analytical study of the drug. The test report following to all analytical figures are enclosed here.

Analytical report



QUALITY CONTROL LABORATORIES
ALN RAO MEMORIAL AYURVEDIC MEDICAL COLLEGE
AND PG CENTRE
KOPPA, DISTRICT: CHIKMAGALUR, KARNATAKA, 577126

Reference Number: QC/ST/13/2018

Date: 16th April 2018

Purpose: Analysis of Vishyananda Taila

Result:

A. Organoleptic Characters

Colour	Light honey coloured
Odour	Characteristic strong
Texture	Viscous liquid

B. Physico-chemical Parameters

Loss on Drying at 105°C	0.18 %
Saponification value	171.11
Iodine value	87.45
Acid value	2.45
Peroxide value	3.76
Ester value	168.66
Refractive index at 30°C	1.4675
Specific gravity	0.911
Weight (gm) per ml	0.908
Viscosity at 30°C	52.62 cP
Rancidity test (Kreis test)	Negative
Microbial Load	
Total aerobic counts	Nil
Total fungal count	Nil

Patron: Honourable Shri Aroor Ramesh Rao
 Laboratory is not liable to bear any legal action or dispute based on this report



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Thin Layer Chromatography

Material Used: Methanolic fraction of oil

Solvent System: Toluene: Ethyl Acetate: Hexane:: 9:3:1

Spraying Agent: Alcoholic Sulphuric Acid

Rf	Under Long UV Before Derivatization	Under Long UV After Derivatization
0.13	—	Light brown
0.23	Fluorescent blue	Blue
0.35	Pale blue	Light brown
0.54	Pale blue	Blue
0.77	Fluorescent white	Light brown
0.84	—	Brown


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Patron: Honourable Shri Aroor Ramesh Rao
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DISCUSSION

Analytical study of oragnoleptic Character, Physico chemical parameter and also thin layer Chromatographic study of Visyandantaila prepared for my study at pharmacy of G.A.M, Purirevls that it is safe rancidity free, effective for triel.

The single drugs usedsin Visyandantaila are having the properties as below

- Bark of Chitrak is wound healing, cancer healing, dipan, pachan, kaphavatasamak, Arshoghana.
- Trivrit is sukhavirechaka, vatanashaka, sotha hara
- Patha is antimicrobial, wound healing, *vataslesmahara*, *jwara hara*, *sulanasaka*, *kandughna*.
- *Snuhiis* wound healing, anti inflammatory, *depana*, *rechana*, *vranasophahara*.
- *Jotismati* is anti microbial, wound healing, anti inflammatory, *vatakapha hara*, *vedanasamaka*, *vranasodhaka*.
- *Arka* is *arshoghna*, anti inflammatory, anti helminthic, anti cancer, cytotoxic, sodhana, virechana, lekhanadipana, ropana.
- *Langali* is anti microbial, wound healing, *tridosha hara*.
- *Karavira* is reduces swelling, *kandughna*, *krimighna*, *sothaghna*.
- *Sarjikshra* is *pachana*, *adhmannaasak*.

- *Harital is kaphavatasamak, sothahara, Raktasodhak, kusthaghna.*

Maximum of drugs having the property of wound healing with some are anti microbial, anti inflammatory, (*katurasa, tikshnaguna, ushnaviry and katuvipaka*) As a whole the medicine *Visyandanataila* presumes to be effective in chronic ulcer/sinus/fistula.

CONCLUSION

From above analytical study and discussion it is found that *visyandana Taila* is having property of Wound healing, nontoxic and safe. It can also cure the *Bhagandara* by *sampraptivighatan* so there will be no recurrence and it can satisfy our aim to give healthy life our body and mind susthata from a painful disease condition.

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