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“PHARMACEUTICAL STUDY OF MRIGANK POTTALI RAS”

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Abstract:

Mrigank pottali Rasa is an Ayurvedic preparation mentioned in rasaratnasamucchaya used in the treatment of kshay^[1]. There is a lack of data regarding the standardization of pharmaceutical process of Mrigank pottali Rasa. Mrigank pottali Rasa was prepared as per the guidelines mentioned in rasaratnasamucchaya. During the pharmaceutical procedure shankhanabhi churna triturated well with godugdha and make a musha and pidhana. Keep the kajjali in musha and give gujput. After swangsheeta musha removed. Triturated of musha with its contain in khalwa yantra.

Key Words: - Mrigank pottali Rasa, kshay, rajayakshma, pulmonary tuberculosis.

INTRODUCTION

Mrigank pottali Rasa is a Ayurvedic preparation mentioned in rasaratnasamucchaya in rajayakshma di roganidana chikitsa adhyay^[1] Which is a typical combination of drugs to combat the

disease kshay. Mrigank pottli rasa will be prepared by using shankhanabhi churna, Higulottha parad, shuddha gandhak. Mrigank pottali rasa is a potalli kalpa formulation indicated for kshay.

In this formulation Shankha acts on Kshay, Ksheenata, Tridoshaghna^[2]. Cow milk act as Jeevaniya, Rasayana^[3], Ojo vruddhi^[4] Kshatahara, Ksheenahara, Shwasahara, Kasahara, Medhya, Balya^[5]. parada act as Tridoshaghna, Rasayana, Yogawahi, Veeryavardhaka^[6]. Gandhaka helps in Rasayana, Shwasahara, Kasahara^[7].

Pharmaceutical study is the study of drug manufacturing. As like healing drug manufacturing too is an art. In treating an ailment, the first and foremost thing is preparation of the drug should be proper. Drug standardization mainly intended to guarantee the quality, efficacy, and uniformity of the final product.^[8] Standardization starts from the raw drug collection and extends up to the manufacturing of final products. Hence the present study is planned to prepare the selected drug following the methods mentioned in classical texts.

AIMS AND OBJECTIVES

This study aimed to develop Standard Manufacturing Procedure of Mrigank pottali Rasa.

MATERIALS AND METHODS

Collection of Raw Materials The major raw materials were collected For mringak pottali ras preparation.

S.N	Ingredient	Quantity(g)
1.	Shankhanabhi Churna	225gm
2.	Godugdha	As per required
3.	Hingulottha Parada	7.5gm
4.	Shuddha Gandhaka	45gm

Authentication of Raw Materials

hingul, gandhak, Shankhanabhi are done in nikhil analytical and research laboratory, sangli, Maharashtra

Place of Study

Department of Rasashastra and Bhaishajya Kalpana, LRP Ayurvedic Medical College and Hospital, Islampur, Maharashtra

Method of preparation of mringak pottali ras

Step 1

All ingredients measured by weighing machine.

Step 2

Shankhanabhi churna taken in khalwa yantra and triturated well with godugdha and musha and pidhanak made by this paste.



Pic. 1 Shankhanabhi churna triturated with godugdha and musha and pidhanak made by this paste.

Step 3

suddha Hingulottha parada and suddha gandhaka take in khalwa yantra and triturated and made kajjali.



Pic. 2 making kajjali

Step 4.

Keep kajjali in musha and mukha closed with pidhanak.



Pic. 3 kajjal keep in to musha

Step 5.

Whole Musha wrapped with cotton cloth and sandhibandhana with wet multani mitti done.



Pic.4 musha wrap with cotton cloth and sandhibandhana

Step 6.

After drying gajput given.



Pic. 5 gajput given to musha

Step 7.

After swangasheeta musha removed
trituated of musha with its contain done in
khalwa yantra.



Pic. 6 musha removed after swangsheet



**pic. 7 trituated of removed musha in
khalwa yantra**



**Pic. 8 Final product of mringak pottali
rasa**

This collected this in airtight container.

OBSERVATION AND RESULTS

Showing the result of preparation of
mringak pottali ras

S.N		
1.	Shankhanabhi Churna	225 gm
2.	Godugdha	53 ml
3.	Hingulottha Parada	7.5 gm
4.	Shuddha Gandhaka	45 gm
5.	Finished product obtained	198 gm
6.	Loss	30 gm
7.	Gain	-

Time duration :-

Observation during consecutive puta

S.N		Observation
1.	Initial weight – before puta wt. of mrigank pottali	281 gm
2.	Final weight – after puta wt. of mrigank pottali	198 gm
3.	Odour of end prouduct	Slightly earthy and woody
4.	Touch	Fine
5.	Rekhapurnta	Positive
6.	Varitara	Positive
7.	Colour	Light to dark brown

Preparation of mrigank pottali rasa – 1st gajput

Ingredients :- mrigank pottali

Instruments :- pyrometer

Method :- puta method

Subjecting for gajputa

Cow dug –

lower 2/3rd of pit – 158 in number

upper 1/3rd of pit – 74 in number

observations:-

Total cow dungs used – 232

Total weight of cow dungs – 27 kg

Total time duration required for burning of gujput – 7 hr

Total time required for complete burning and self cooling was 24 hr

Maximum temperature recorded was

874⁰c

Showing temp. record during mrigank pottali rasa gajput

S.N	Time	Temp. (°c)	S.N	Time	Temp. (°c)
1.	10.00	26	37.	01.00	333
2.	10.05	31	38.	01.05	160
3.	10.10	37	39.	01.10	154
4.	10.15	42	40.	01.15	141
5.	10.20	50	41.	01.20	130
6.	10.25	86	42.	01.25	118
7.	10.30	173	43.	01.30	107
8.	10.35	361	44.	01.35	99
9.	10.40	464	45.	01.40	90
10.	10.45	511	46.	01.45	88
11.	10.50	540	47.	01.50	86
12.	10.55	574	48.	01.55	76
13.	11.00	615	49.	02.00	70
14.	11.05	647	50.	02.05	69
15.	11.10	683	51.	02.10	65
16.	11.15	716	52.	02.15	61
17.	11.20	720	53.	02.20	57

18.	11.25	756	54.	02.25	52
19.	11.30	780	55.	02.30	50
20.	11.35	823	56.	02.35	49
21.	11.40	844	57.	02.40	48
22.	11.45	870	58.	02.45	48
23.	11.50	874	59.	02.50	42
24.	11.55	850	60.	02.55	40
25.	12.00	823	61.	03.00	38
26.	12.05	815	62.	03.05	37
27.	12.10	774	63.	03.10	35
28.	12.15	787	64.	03.15	35
29.	12.20	737	65.	03.20	34
30.	12.25	715	66.	03.25	34
31.	12.30	680	67.	03.30	34
32.	12.35	605	68.	03.35	34
33.	12.40	565	69.	03.40	33
34.	12.45	479	70.	03.45	33
35.	12.50	402	71.	03.50	31
36.	12.55	378	72.	03.55	30

DISCUSSION AND CONCLUSION

Pharmaceutical study means the practical experience of preparing medicines from raw drugs. Practical experience is most essential for vaidya as described by Charak. The Karmabhayasa....Ch. Su.9/22 is one of the essential qualities of vaidya.

In the preparation of Mrigganka Pottali, the key ingredients include:

Shuddha Parad (purified mercury): Known for its powerful anti-aging (Jara) properties, it strengthens the body like

Vajra (diamond) and is considered a universal remedy for various ailments. Gandhak (sulfur): Renowned for its potent antimicrobial (Vishaghna, Jantughna), anthelmintic (Krimighna), and digestive (Deepana-Pachana) actions. It enhances and supports the therapeutic potential of Parad through synergistic action. Due to its strengthening effect on mercury's efficacy, Gandhak is praised in Ayurveda with titles like Sutendraviryapada and Sutajit. Shankha Nabhi Bhasma (conch umbilicus ash): Possesses properties such as Laghu (light), Kshara (alkaline), Grahi (absorbent), Vishahara (detoxifier), Balya (strengthening), Varnya (improves complexion), and Sheeta Veerya (cool potency). It is recommended for conditions like Grahani (IBS), Amlapitta (hyperacidity), Parinama Shula (colic pain), Agnimandya (loss of appetite), and Tarunya Pidaka (acne). Godugdha (cow's milk): Classified under Gorasa Varga, it has characteristics such as Swadu (sweet), Sheeta (cool), Mridu (soft), Snigdha (unctuous), Bahala (dense), Shlakshna (smooth), Pichchila (slimy), Guru (heavy), Manda (slow), and Prasanna (clear). Its Rasa (taste) is Madhura (sweet), and it exhibits Sheeta Veerya (cooling potency). Its actions include Jeevaneeya (life-promoting), Brumhaneeya (nourishing), Rasayana (rejuvenative), Ojovridhikara (enhancing vitality),

Vrushya (aphrodisiac), and Balya (strengthening). It is beneficial in managing conditions like Pandu (anemia), Gulma (abdominal tumors), Shosha (emaciation), Udara (abdominal disorders), Shwasa (breathing disorders), and Kasa (cough). mringak pottali ras is a pottali kalpas with a unique combination of drugs to treat kshay. It was found in rasaratnasamuchchaya in rajayakshmasi roganidana chikitsa adhyay. Its ingredients include, 16 nishk (48 gm) of shankhanabhi churna , godugdha (Quantity sufficient). and half nishak (1.5 gm) of shuddha parada and three nishak (9 gm) shuddha gandhak. With the classical preparation and the properties of the drugs which are present, it shows the kshayaghna property. To prepare the selected trial drug strictly according to classical reference.

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