



Standard Operating Procedure of Udarari Rasa.

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ABSTRACT

In ancient Ayurvedic classics, there are many formulations those are herbal, mineral, and herbo-mineral in origin. These formulations are effective in many disease conditions depending upon their properties. Udarari Rasais herbo-minaral Preparation prepared in vati form(tablet). It is indicated in Udar Roga. Vati are easy to prepare, pack, transport, and administer to patients. Hence, Vati form is the most accepted dosage form. In present study,is prepared, Pharmaceutical and analytical procedures of Udarari Rasa are validated to ensure product quality and prevent batch-to-batch variations. All the three samples were prepared bythis method showed identical characteristics andanalytical parameterswithout much significant difference.

Keywords: *Udarari Rasa, Standard Operating Procedure, Rasachandashu, Rasa Tarangini, Standard Parameters, Dosage form.*

INTRODUCTION

Ayurveda, the ancient wisdom, has immortal foundations. Ayurveda, literally "the knowledge of life," is one of the oldest medical pathyin the world. Ayurveda is concerned with life's good and bad, its pleasures and unhappiness, its enablers and non-enablers, measured and natural.¹

For proper administration of dosage and to avoid its bitter taste, the kalpa is modulated in vati.²Udarari Rasa is prepared in three successive batches. Physio chemical analysis of these samples was carried out in GLP approved laboratory.

AIMS AND OBJECTIVES

AIMS - To set SOP of Udarari Rasa with special reference to Rasachandashu.³

OBJECTIVES: 1.Preparation of Udarari Rasa in three successive batches.

2. Analysis of samples of Udarari Rasa.

MATERIALS AND METHODS

Materials:

Parada (Mercury), Shukti Bhasma, Tuttha, Jaypal, Pippali, Aragvadha Phalmajja, Vajrikshir (bhavana dravya) are ingredients of Udarari Rasa. All ingredients (other than Vajrikshir) are obtained from local market and authenticated in pharmacy.

Method:

1. Purification of raw material.
2. Preparation of Udarari Rasa three successive batches.
3. Analysis of Udarari Rasa as per standard analytical parameter.

Procedure: The steps for the preparation of Udarari Rasa are as follow:

1. Shodhana (purification) of raw materials.
 - a. Shodhana of Parada.
 - b. Shodhana of Shukti.
 - c. Shodhana of Tuttha.
 - d. Shodhana of Jaypal.
2. Marana of Shukti.
3. Preparation of Udarari Rasa.

1. Shodhana (purification) of raw materials:

Shodhana of Parada:⁴ as per reference of Rasa Tarangini.

Ashudh Parada add Adrakswaras, Nagvelli rasa, Yavkshar, Sajjikshar, Tankan and triturate well. At the end of 3rd day Parada appeared like "MUKTAPHAL SAMAKARAM". wash with hot water and sieve with cloth.

Shodhan of shukti:⁵ as per Rasa Tarangini.

Shodhan of shukti was done in dolayantra using nimbuswarasas liquid media for 1 Prahara.

Maran of shukti:⁶ as per Rasa Tarangini

Shudha Shukti was Subjected to two Gaja put.

Shodhan of Sasyaka:⁷ as per Rasa Ratna Samucaya.

Sasyaka was purified by bhavana methods using Raktavarga (sariva, manjista, lodhra)

Shodhan of Jayapal:⁸ Rasa Tarngini

Shodhan of Jayapal was done by swedana methods using cow milk as a liquid medium. After swedana covering of Jayapal seeds was removed then washed and

pasted in khalvyantra. The seeds were spared on the Sharava for the absorption of excess oil and after that its dried and Powdered.

Preparation of Udarari rasa:

Preparation of Udarari rasa as per Rasa Chandanshu.

Procedure:

- Udarari rasa is a kharaliya Rasayan. All the ingredient taken (Parada, Shukti, Tuttha, Jaypal, Argavadhaphalmajja) in equal quantity. three bhavana of Vajrikshir was givento the mixture. bhavana in Khalvyantra for 3 days.
- 3 days of Vati Preparation done.

OBSERVATION AND RESULTS

Ingredient	Quantity	After shodhan
Parada shodhana	500 gm	471 gm
Shukti shodhana	500 gm	467 gm
Shuktimarana	250 gm	213 gm
Sasyaka shoshana	500 gm	535 gm
Jaypal shodhana	500gm	423gm

Physio-chemical analysis done at Authenticated laboratory.

Preparation of physio chemical Analysis Udarari Rasa:

sr.no	Test	Sample A	Sample B	SAMPLE C
1	Description	Black	Black	Dark black
2	pH	8.3	8.2	8.2
3	Loss on drying	3%	3%	2.9%
4	Total Ash	27%	27%	29%
5	Acid insoluble Ash	1%	1%	0.9%
6	Water Soluble Ash	9%	9%	8.80%
7	Hardness ⁹	2.9	2.88	2.94
8	Friability ¹⁰	0.4%	0.3%	0.4%
9	Average Weight	509	505	503
10	Disintegration Time ¹¹	More than 2 hours	More than 2 hours	More than 2 hours
11	Alcohol Soluble Extractive	56w/w	57w/w	57w/w
12	Water Soluble Extractive	16w/w	16w/w	15w/w

DISCUSSION

Udarari Rasa as per reference of Rasachandanshu. Udarari rasa was prepared authentically during the pharmaceutical procedure. All ingredients are taken in purified form. Procedure is performed as per text. Pharmaceutical and Analytical validation of Udarari Rasa became possible by following every step-in proper way and physio-chemical analysis of finished product. Changes noted after each stage from purification of raw material to the final packaging of the finished product.

In all three sample batches parameters for of the drug didn't show significant difference, which means the Operative manufacturing process is similar and could be standardized.

The ideal analytical parameters of Udarari as per table below.

sr.no	Test	Sample A
1	Description	Color- black
2	Loss on drying	2.9 to 3%
3	Total Ash	27% to 29%
4	Acid insoluble Ash	0.9 to 1%
5	Water Soluble Ash	8.8 to 9%
6	Hardness ⁹	2.8 to 2.9
7	Friability ¹⁰	0.3 to 0.4%
8	Average Weight	503 to 509
9	Disintegration Time ¹¹	More than 2 hours
10	Alcohol Soluble Extractive	56w/w to 57 w/w
11	Water Soluble Extractive	15w/w to 16w/w

CONCLUSION

This is the Standard Operating Procedure of Udarari Rasa.

- Udarari rasa is kharaliya Rasayana yoga containing Parada, Shukti, Tuttha, Jaypal, Aragvadh Phalmajja.
- Udarari Rasa can be manufactured using validated method so that we get an optical efficacy of the final product. There is no significant variation in all three batches prepared.
- This study may be reevaluated with the help of clinical study in future.

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