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DRUG RESEARCH ON SIDDHA MEDICINE; *UTHTHARA RASA CHENDOORAM* (URC)

S. R. Pholtan Rajeev*¹

¹*Department of Siddha Toxicology, Government Siddha Medical College, Tirunelveli, Tamil Nadu, India.

ABSTRACT

Background: *Chendooram* also one of the higher order medicines among 32 internal medicines and it's affective for 75 years life span. It is commonly defined as red oxides / sulphides of particular ingredients and it had long process in vulcanization. In this research, Uththara Rasa Chendooram (URC) was selected for drug research by these ingredients and indication of Rasa Chendooram. **Objectives:** To study the pharmacological actions of each ingredient actually work with indication of prepared drug. To create the awareness of ancient siddha drugs to world by scientific evidence base. To develop the concept on cost effective and pharmaco-economic product-poly herbal siddha medicines in the world. **Result:** Observed ingredient's pharmacological actions and selected drug's pharmacological Action as indications. **Conclusion:** This drug research revealed the ingredient's particular actions performed respectively by pharmacokinetics and pharmacodynamic process into the body. It will cure and manage the specific indications in corresponding dosage with correct or suitable co-drug and vehicle.

KEYWORDS

Chendooram, Uththara Rasa Chendooram (URC), Pharmacological Action and Indications.

Author for Correspondence:

Pholtan Rajeev S R,
Department of Siddha Toxicology,
Government Siddha Medical College,
Tirunelveli, Tamil Nadu, India.

Email: drsrajeev@gmail.com

INTRODUCTION

In the world, medical practices originated from the nature ideas and natural resources therefore ancient civilization around the Rivers developed their community and Races in their own land of earth. In this manner Tamilian developed their own medical system in very old with their tradition with natural resources it had driven by saint Siddhars and now spread out to worldwide and established firmly and doing their work silently. This ancient medical system as siddha medicine denoted 4448 diseases

and its managements perfectly among these ancient manuscripts mentioned 32 internal medicines and 32 external medicines with life spans also.

Chendooram also one of the higher order medicines among 32 internal medicines and it's affective for 75 years life span. It is commonly defined as red oxides / sulphides of particular ingredients and it had long process in vulcanization. In this research, Uththara Rasa Chendooram (URC) was selected for drug research by these ingredients and indication of Rasa chendooram.

However, Siddha system of medicine deals with main medicine administered with Co-drug (*thunaimarunthu*) and Adjuvant / vehicle (*anupaanam*) to medical prescriptions. So, this practice recorded only one medicine administered with several Co-drugs and Vehicles to cure many different diseases. In this drug research also mentioned one herbo-mineral drug combined with other herbal drugs or mineral drugs with selective vehicles to prescribed variety of Systemic diseases in acute and chronic conditions also. These were very important matter in present trend of pharmaco-economical establishment of the siddha medical system by the ancient Siddhars in two thousand years ago respectively.

Purposes of this research were; to study the pharmacological actions of each ingredient actually work with indication of prepared drug. To create the awareness of ancient siddha drugs to world by scientific evidence base. To develop the concept on cost effective and pharmaco-economic product-poly herbal siddha medicines in the world.

MATERIAL AND METHODS

Research Type

Drug Research- review

Research Design

Comparative analysis of results

Research Analysis

By using of MS Excel 2010

Research period

03 months

Source of the text reference from authenticated Siddha Tamil Book.

Reference

Hakeem Abdul Sahib. B.M, "Anuboga Vaidya Navaneetham" – Part-5 (Tamil Edition), Thaamarai Publication, 3rd Edition, 2014, Page No: 101-103.

Preparation of research drug: Uththara rasa chendooram-

Ingredients

- Purified Rasam- 06 palam (210g)
- Purified Gandhgam- 4 ½ palam (157.5 g)
- Purified Nabi - 03 palam (105g)
- Purified Lingam - 01 ½ palam (52.5g)
- Purified Manosilai- 01 palam (35g)
- Purified Venkaram- 01 palam (35g)
- Seruppadai juice (whole plant)
- Katralai juice required quantity
- Maathulam leaves juice

Dosage

½ - 01 kundri (65 – 130mg) weight

Twice a Day, for 40 days of period

Vehicle /Adjuvant

Tirikaduku Powder with Honey.

DISCUSSION

According to the results: Mercury: Cures the diseases of Eyes, Syphilis, Eight types of Ulcers (*gunnum*), Throbbing Pain (*soolai*), Chronic Ulcers (*perum pun*), leprosy and Hansens' disease. Cinnabar: A Tonic, Diarrhoea, Pyrexia, delirium, Urticaria, Diuretics, Tuberculosis, Scabies, Insect, unknown bites, Syphilis, Leprosy, Eczema, Skin Diseases, Throbbing pain (*soolai*), vatha diseases. Sulphur: Eighteen types of Skin diseases, Liver enlargement, Abdominal distension, Eye diseases, Chronic venereal Diseases, Chronic Diarrhoea, Gastric Ulcer, Poisonous bites, Fever due to vatha, Chronic Dysentery. Realgar: Fever with Chills, Snuff delirium, Poisonous bites, Epileptic condition, Skin diseases, Asthma. Borax: toad Skin, Carbuncle, Gastric Ulcer, Itching, Haemorrhoids, venereal ulcer with pus, Hemiplegia, Dental diseases, Urinary track infections, Poison due to snake etc., Delirium, infective diseases, abdominal diseases, Cough, Indigestion, Rhinitis, Delayed Labour, Amenorrhoea, Dysmenorrhoea, Menorrhagia, Sinusitis, Stomatitis, Ulcer on the lips, Anaemia

January – June

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due to menorrhagia, Epilepsy, Diarrhoea in labour, Slow Uterine contraction. Aconite: Fever, Headache, Snake bite, Leprosy, Scorpion bite, Wounds, Insect bite, Coma, Chronic Asthma, Cough, Spider nervi.

And its indications were list as; Eighteen types of skin conditions (*kuttam*), Leprosy (*kurainoi*), Unknown bite, Urticaria (*kaanakadi*), poisonous bites, rat bite, joint's diseases, bite poisonous on foot, Centipede bite (*seyyan bite*), leech bite (*addaikadi*), red leech bite (*sevvaddaikadi*), bites, intestinal worm infestation (*keerai-sooru*). Eighty types of vatha diseases, thirteen types of *sanninoi*, seven types of *thodam*, *vayu* diseases, *vikarangaal* (mutations).

Twenty types of Diabetes, *muthrakiricharam*, *indrakandinoi*, twelve types of *Soma noigal* (brain diseases), six types of *nadukkunoigal*, eight types of *naakularalnoigal*, *naavinkazhalai*, *naavinsilanthe*, *naavinpatti*, *unnaakkusiruththal*, *thondaikattu*, *thondaiputtru*, *mandaisoolai* (severe Headache), *sevikkalan*, *sevvipporumal*, *lingaputtru*, *alkulputtru*. *Ullurukki*, *elumburukki*, *natpattasuram*, *nachchusuram*, *utsuram*, *munrammaaralsuram*, *kai kaalerichchal*, *udamperichchal*, *mugaerichchal*, *kanerichchal*. Sixty four types of fevers, Six types of piles, Diseases of abdominal area, All kind of piththa diseases.

RESULTS

Table No.1: General Characters of each ingredient of research drug – URC

S.No	Ingredients	General Characters	Ref. No.
1	Mercury	Cures the diseases of eyes, Syphilis, Eight types of Ulcers (<i>gunnum</i>), Throbbing Pain (<i>soolai</i>), Chronic Ulcers (<i>perum pun</i>), leprosy & Hansens' disease	196
2	Cinnabar	A Tonic, Diarrhoea, Pyrexia, delirium, Urticaria, Diuretics, Tuberculosis, Scabies, Insect, unknown bites, Syphilis, Leprosy, Eczema, Skin Diseases, Throbbing pain (<i>soolai</i>), vatha diseases	222
3	Sulphur	Eighteen types of Skin diseases, Liver enlargement, Abdominal distension, Eye diseases, Chronic venereal Diseases, Chronic Diarrhoea, Gastric Ulcer, Poisonous bites, Fever due to vatha, Chronic Dysentery.	251
4	Realgar	Fever with Chills, Snuff delirium, Poisonous bites, Epileptic condition, Skin diseases, Asthma.	285
5	Borax	toad Skin, Carbuncle, Gastric Ulcer, Itching, Haemorrhoids, venereal ulcer with pus, Hemiplegia, Dental diseases, Urinary tract infections, Poison due to snake etc., Delirium, infective diseases, abdominal diseases, Cough, Indigestion, Rhinitis, Delayed Labour, Amenorrhoea, Dysmenorrhoea, Menorrhagia, Sinusitis, Stomatitis, Ulcer on the lips, Anaemia due to menorrhagia, Epilepsy, Diarrhoea in labour, Slow Uterine contraction	358
6	Aconite	Fever, Headache, Snake bite, Leprosy, Scorpion bite, Wounds, Insect bite, Coma, Chronic Asthma, Cough, Spider nervi.	567

Table No.2: Co-Drug and Vehicle of URC for different disease conditions

Co-Drug with dose	Vehicle of Drug with dose	Dose	Dosage	Indications	Ref.
Thrikatuku Chooranam/ each 04 kunrimani	Bee's Honey / 01 varagan	1/2 - 01 kunri	twice a day for 40 days	Eighteen types of kuttam, Leprosy (kurainoi), Unknomn bite, Urticaria (kaanakadi), poisonous bites, rat bite, joint's diseases, bite poisonous on foot, Centipede bite (seyyan bite), leech bite (addaikadi), red leech bite (sevvaddaikadi), bites, intestinal worm investation (keerai-sooru).	101
Juice of Ven nochchi (vitex negundoo) / 1 1/2 varagan	Bee's Honey / 1 1/2 varagan	1/2 - 01 kunri	twice a day for 40 days	Eighty types of vatha diseases, thirteen types of sannoi, seven types of thodam, vayu diseases, vikaranga (mutations).	101
Avaram seed oil (Cassia auriculata) / 01 varagan (3.5g) vangapampam / 01 kunri		1/2 - 01 kunri	twice a day for 40 days	Twenty types of Diabetes, muthrakiricharam, indrakandinoi, twelve types of Soma noigal (brain diseases), six types of nadukkunoigal, eight types of naakularalnoigal, naavinkazhalai, naavinsilanthi, naavinpatti, unnaakkusiruththal, thondaikattu, thondaiputtru, mandaisoolai (severe Headache), sevikkalan, sevvipporumal, lingaputtru, alkulputtru.	102
Avaram pooseru or Avaram kozhunthusaru (flower juice or tender leaves juice) / 1 1/2 varagan (5.5g)	Bee's Honey or Ghee / 01 varagan (3.5g)	1/2 - 01 kunri	twice a day for 40 days	Ullurukki, elumburukki, natpattasuram, nachchusuram, utsuram, munrammaaralsuram, kai kaalerichchal, udamperichchal, mugaerichchal, kanerichchal.	102




thumbai leaves juice or poochcharu (Juice of <i>Leucosaspera</i> leaves or flower) / 1 1/2 varagan (5.5g)	Bee's Honey / 1 1/2 varagan (5.5g)	1/2 - 01 kunri	twice a day for 40 days	Sixtyfour types of fevers	102
Karunaikizhanguchooram (soak into butter milk) 1 varagan (3.5g)	Gingili oil / 1 1/2 varagan (5.5g)	1/2 - 01 kunri	twice a day for 40 days	Six types of piles	102
Attuthummattikaaisaru (Citrus) 1 varagan (3.5g)	Bee's Honey / 01 varagan (3.5g)	1/2 - 01 kunri	twice a day for 40 days	Diseases of abdominal area	103
Nelligaisaru (fruit juice of <i>Phyllanthusembilica</i>) / 1 1/2 varagan (5.5g)	Bee's Honey / 01 1/2 varagan (5.5g)	1/2 - 01 kunri	twice a day for 40 days	All kind of piththa diseases	103






Table No.3: Description of siddha terminology of indication

S.No	Indication in siddha medical system	Description
1	<i>Sanni noi</i>	It is supposed to be caused by the deranged three humours passing to the brain and over powering all the functions of both the mind and the body. / Apoplexy, Delirium and tetanus
2	<i>Thodam</i>	Affect infants for 3 rd month to one year caused by faulty diet and by evil eyes.
3	<i>Vayu diseases</i>	Rheumatic diseases
4	<i>Vikarantal</i>	Mutations
5	<i>Muthrakiricharam</i>	Pain in passing urine due to inflammation of the urinary passage
6	<i>Indrakandi noi</i>	A kind of urinary disease.
7	<i>Soma noigal</i>	Diabetes mellitus or a disease of women marked by a white discharge through vagina.
8	<i>Nadukku noigal</i>	A continuous tremor experienced in paralysis agitars.
9	<i>Naakularalnoigal</i>	Having tongue unable to move freely-tongue tacked or tongue tied.
10	<i>Naavinkazhalai</i>	Tumour of tongue
11	<i>Naavinsilanthi</i>	Boil or ulcer in tongue
12	<i>Naavinpattai</i>	Sore, wound, scab the crust of superficial sore, the crust of a dry gangrene due to the death of a circumscribed portion of tissue of tongue.
13	<i>Unnakku siruthal</i>	Shortening of uvula
14	<i>Thondai kattu</i>	Severe sore throat attended with threatened suffocation due to constriction – cyanche
15	<i>Thondai puttru</i>	Growth of flesh inside the throat – suppurative tonsillitis
16	<i>Mandaisoolai</i>	A disease of the head in which pricking and tingling pain is felt inside the head
17	<i>Sevikkaalan</i>	Spongy excrescence as proud flesh formed in wounds in ear. – fungus like growth.
18	<i>Sevipporumal</i>	Wind noise in the ear – tinnitus

19	<i>Linga puttru</i>	Carcinoma of the penis
20	<i>Alkul puttru</i>	Carcinoma of the labia majora or vulva.
21	<i>Ullurukki</i>	Affection of the mesenteric glands in children resulting in digestive de-arrangement and gradual wasting of the body. – tabesmesenterica
22	<i>Elumburukki</i>	Wasting disease, where in the bones of the body are distinctly visible through emaciation.
23	<i>Naatpattasuram</i>	Chronic fever
24	<i>Nachchusuram</i>	Septic fever
25	<i>Utsuram</i>	Internal fever
26	<i>Munrammaaralsuram</i>	Tertian alternative fever
27	<i>Kai kaalerichchal</i>	Burning sensation of both limbs
28	<i>Udamperichchal</i>	Burning sensation of all over body
29	<i>Mugaerichchal</i>	Burning sensation of face
30	<i>Kan erichchal</i>	Burning sensation of eye

Table No.4: Images of Co-Drug and vehicle of Drug

S.No	Co-Drug plants	Image of plant
1	Thrikatuku Chooranam	
2	juice of Ven nochchi (<i>Vitex negundo</i>)	
3	Avaram seed oil (<i>Cassia auriculata</i>)	

4	Avaram pooseru or Avaram kozhunthusaru (flower juice or tender leaves juice)	
5	Thumbai leaves juice or poochcharu (Juice of <i>Leucus aspera</i> leaves or flower)	
6	Karunaikizhanguchoornam (soak into butter milk)	
7	Attuthummattikkaaisaru (Citrus)	
8	Nelligaisaru (fruit juice of <i>Phyllunthusembilica</i>)	

9	Bee's Honey	
10	Gingili Oil	

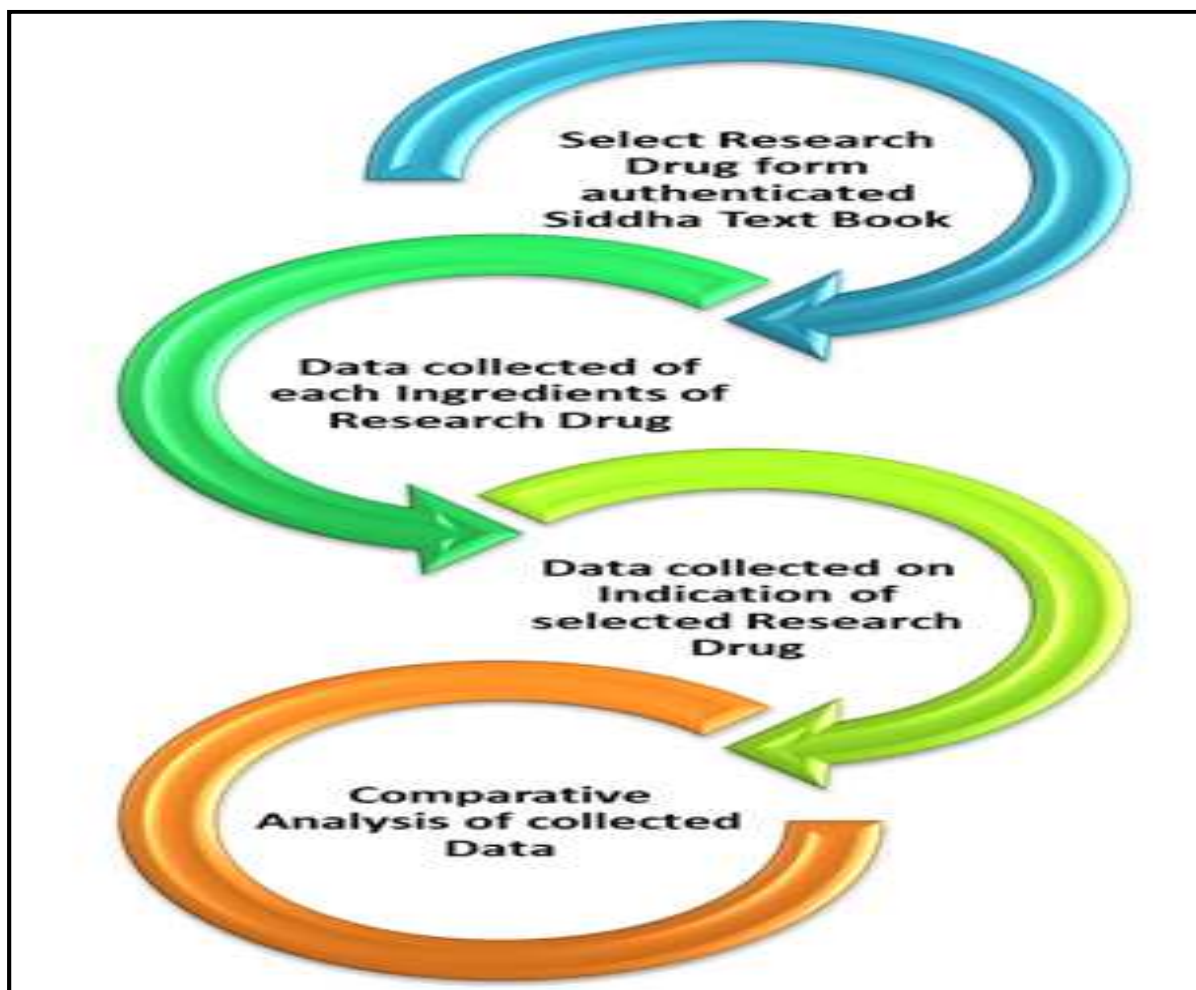


Figure No.1: Research design of drug research

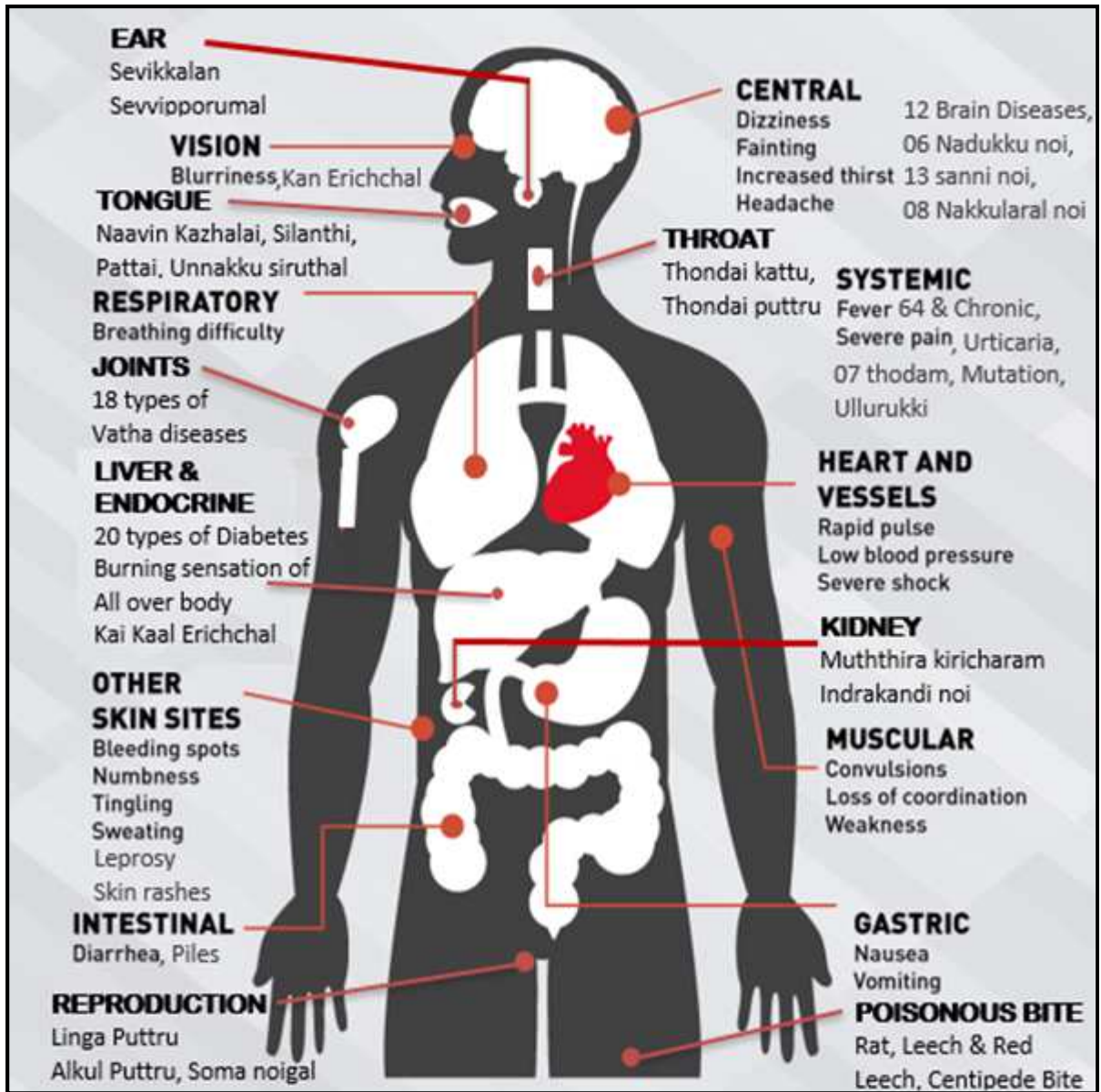


Figure No.2: Indication of the URC



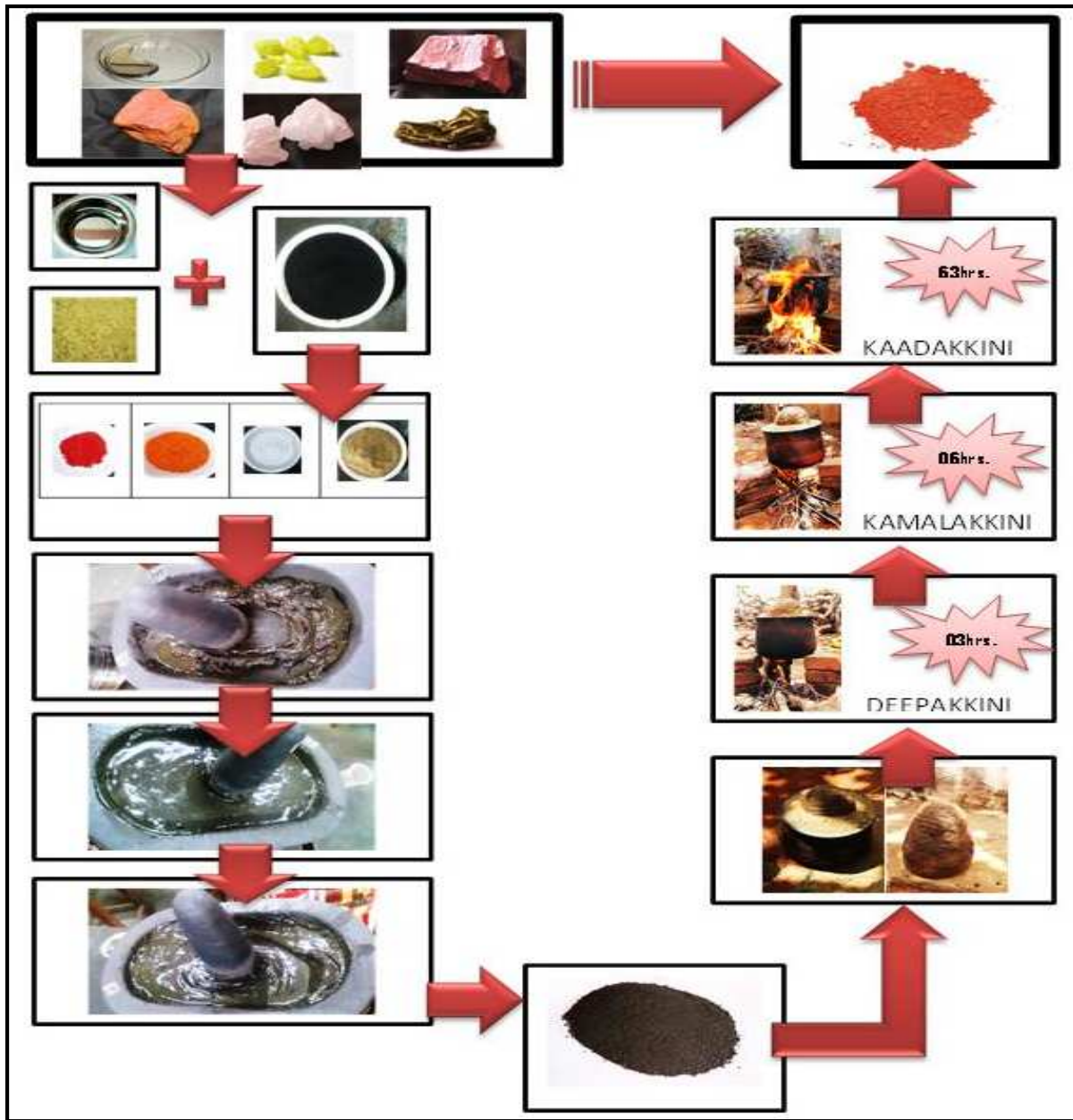


Figure No.3: Drug preparation procedures- URC

CONCLUSION

Finally concluded in this research as; this drug research of Uththara Rasa Chendooram is revealed the ingredient's particular actions performed respectively by pharmacokinetics and pharmacodynamic process into the body. It will cure and manage the specific indications in corresponding dosage with correct or suitable co-drug and vehicle.

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CONFLICT OF INTEREST

Researcher declare that, have no conflict of interest on this research.

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