

**POTENCY OF KUKKILATHY CHOORANAM, A HERBO MINERAL
SIDDHA DRUG IN THE MANAGEMENT OF RATHA MOOLAM
(BLEEDING PILES): A DRUG REVIEW**

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ABSTRACT

Siddha is one of the Indian system of medicine which is widely practiced in Tamil Nadu, India. Siddha insists to lead a healthy life both physically and mentally. Siddhars have classified 4448 disease, based on the three humoral pathologies. Among them *Ratha Moolam* (Bleeding piles) is classified under *Eruvai mulai noi*. It is believed that symptomatic hemorrhoids affect at least 50% of the population at some time during their lives and around 5% of the population is affected at any given time. Both sexes experience approximately the same incidence of the condition with rates peaking between 25 and 65 years.

The diet and deeds which influence the *vatham* and *pitham* humors is said to be major causative factors of this disease. Many formulations are indicated for *Ratha moolam* (Bleeding piles) in siddha literature, *kukkilathy chooranam* is one among them a herbo-mineral formulation indicated for *Ratha moolam*. It is learnt that each one the seven ingredients of *Kukkilathy chooranam* is said to possess anti- haemorrhoidal property. Hence this article gives an insight on the efficacy of the drug *Kukkilathy chooranam* bleeding piles (Internal haemorrhoids, Grade-1) based on review of various literatures and scientific studies.

INTRODUCTION

Saint Agasthiyar identified 4448 diseases and one among them is *Eruvai Mulai noi*. Saint Yugi classified *moola noi* into 21 types. The signs and symptoms of *Ratha Moolam* such as pain around the umbilicus, splashing of blood during defecation, weakness in the limbs,

giddiness can be correlated with Bleeding Haemorrhoids mentioned in Modern science. Siddha system of medicine paves a way in the treatment of *moolam* at its early and later stages as well. If the early stage is not being taken care of it may lead to complications and need to be corrected with surgery. “*Anila pitha thondhamalathu moolam varaathu*” (*Anilam-vaatham, pitha-pitham*) As per saint theraiyar derangement of *vatham* and *pitha* humor due to lifestyle changes diet and deeds resulting *moolam*. The main *vatha* humor and *pitha* humor get affected cause in moola noi (Haemorrhoids). In moola noi, increased *keelvaikanal* stimulates *vatha humor* these totally stimulate *pitha humor*, constipation develops due to effects of *keevaikanal*. So the symptoms like loss of appetite, emaciation, mental depression, decreased body fluids and blood volume are developed. In treatment aspect in order to suppress *vatha humor*, prescribe cooling agents to suppress *keelvaikanal*.^[1]

In India approximately 40,723,288 people are reported to have hemorrhoids. 1 million new cases are reported annually, it is estimated that 50-85% of people around the world have hemorrhoids and in India 75% of the population is estimated. Current statistics suggest that almost half of people in their fifties have piles. Age is not the only factor though, and hemorrhoids can affect people of any age group or gender.^[2] There are various factors responsible for hemorrhoids like constipation, sedentary life style, pregnancy, low fiber diet, obesity, and so forth. Usually, hemorrhoids develop due to increase in pressure on the veins of the pelvic and rectal region, which causes abnormal dilatation and distortion of the vascular channel, leading to the extravasation of blood around the perianal and anal vein, which results in rectal bleeding.^[3]

In the text, Anuboga vaithiya navaneetham—*pakka soolai, alkul puttru, vippuruthi, powthiram, kandamaalai, Moolam, pilavai, 21 megangal, pun, kirandhi, mega soolai, megaranam, naabi pun, araiyappu, mega vayu, thimir vaatham, nadukku vaatham*..page no :1248,1249. A siddha formulation “**KUKKILLATHY CHOORANAM**” has been specifically indicated for Moola noi. The most of the ingredients of these formulation possess *Styptic, Anti-inflammatory, Anthelmintic* and *Laxative activities*.

DRUG DETAILS^[4]

Trail drug: *Kukkilathy Chooranam*

PREPARATION OF THE DRUG

Ingredients

- Kukkil (Shorea robusta) - 32 varagan (134.4g)
- Parangipattai (Smilax china) - 16 varagan (67.2g)
- Gandhagam (Sulphur) - 08 varagan (33.6g)
- Thippili (Fruit of Piper longum) - 02 varagan (8.4g)
- KandaThippili (Root of Piper longum) - 02 varagan (8.4g)
- Vaividangam (Embelia ribes) - 02 varagan (8.4g)
- Vetpalai arisi (Wrightia tinctoria) - 02 varagan (8.4g)

Purification of the ingredients

All the drugs mentioned here were purified as per the Siddha literature.

Method of Preparation

The purified herbal ingredients were made into fine powder separately. Then the purified sulphur was grinded by using kalvam, after made into powder the above herbal powder were added and grinded. It was finely powdered and purified by Pittavial murai then kept in an air tight container.

- **Dosage** : 4 g twice a day
- **Indication**: *Ratha moolam* (Bleeding Piles)
- **Vehicle** : Ghee

Potency of The Ingredients Of Kukkialthy Chooranam In The Management Of Ratha Moolam (Bleeding Piles).

S. NO.	Drug	Parts used	Action
1	Kukkil(Shorea robusta)	Resin	<ul style="list-style-type: none"> • Stimulant, • Expectorant • Diuretic • Anti-Vatha • Styptic.
2	Parangipattai (Smilax china)	Root tuber	<ul style="list-style-type: none"> • Alterative • Carminative • Depurative • Diaphoretic • Diuretic • Tonic

3	<i>Gandhagam</i> (Sulfur)		<ul style="list-style-type: none"> • Laxative • Tonic • Antiseptic • It also increases the bile fluids • It increases various body secretions. • When used in high doses it causes diarrhoea
4	<i>Arisithippili</i> (<i>Piper longam</i>)	Fruit	<ul style="list-style-type: none"> • Acrid • Stomachic • Carminative • Aphrodisiac • Expectorant • Digestive • Emollient • Antiseptic.
5	<i>Kandathippili</i> (<i>Piper longam</i>)	Root	<ul style="list-style-type: none"> • Thermogenic • Tonic • Stomachic • Digestive • Anthelmintic
			<ul style="list-style-type: none"> • Expectorant
6	<i>Vetpalaiaarisi</i> (<i>Wrightia tinctoria</i>)	Seed	<ul style="list-style-type: none"> • Anthelmintic • Astringent • Carminative • Alterative • Stimulant.
7	<i>Vaividangam</i> (<i>Embelia ribes</i>)	Seed	<ul style="list-style-type: none"> • Astringent • Carminative • Alterative • Stimulant • Anthelmintic

SCIENTIFIC VALIDATION

	Pharmacological activity	Phytochemicals
Kukkil(shorea robusta)	Anti-inflammatory activity antinociceptive activity woundhealing activity analgesic activity ^[15]	S. Robusta resin has been reported to contain several mono-, sesqui- and tri-terpenoids includes ursolic acid, tri and tetra hydroxy ursenoic acid, asiatic acid, α and β -amyrin, α –amyrenone, mangiferonic acid, benthamic acid and uvao ^[5]

Parangipattai (smilax china)	Anti-inflammatory activity ^[16]	The root is known for its steroidal saponins. Pro-sapogenin-a of dioscin, dioscin, gracillin. Me- protogracillin, me-protodioscin and its 22-hydroxy-analog; besides beta-sitosterol glucoside, smilaxin, two furostan and one Spirostane glycosides have been isolated from the root ⁶ .
Gandhagam (sulfur)	Sulphur is used in scabies. The fumes of burning sulphur are said to cures gout and rheumatic affections. In organic sulphur reduces the motility and invasion of mda-mb-231 human breast cancer cells. It is also used as the following purposes in medical uses such as, Acne, eczema, ring worm, indigestion, diarrhoea, vomiting, belching, hemorrhoids and anal fissures ^[14]	
Arisithippili (piper longam)	Anti inflammatory activity ^[17]	The fruit contains, Piperine (4-5%), pipartine ^[7] , piperlongumine, piperlonguminine, methyl 3, 4, 5-trimehoxycinnamate ^[8] , volatile oil, starch, protein, carbohydrates, saponin and Amygdalins. ^[9]
Kandathippili (piper longam)	Analgesic activity ^[17]	The root of piper longum contains piperine, pipartine, piperlongumine, piperlonguminine, triazontane, dihydro stigmasterol, reducing sugars and glycosides. ^[10]
Vetpalaiarisi(wrightia tinctoria)	Anti- inflammatory activity Anti-nociceptive activity anthelmintic activity ^[18] Hepatoprotective activity	Methanolic extract revealed the presence of steroids, ^[11] and phenolics, ethyl acetate extract revealed the presence of tannins, steroids, flavonoids and phenolics. Whereas chloroform extract revealed the presence of alkaloids, saponins and steroids, a new sterol 14 α -methylzymosterol in addition To four rare plant sterols,
		desmosterol, cholesterol, 24-methylene-25- methylcholesterol and 24- dehydropollinastanol

		have also been isolated from seeds. ^[11]
Vaividangam (Embelia ribes)	Analgesic activity Anthelminthic activity Antitumor activity anti-inflammatory activity Hepatoprotective Laxative Wound healing ^[19]	Embelia ribes berries contain several chemical constituents like embelic acid, volatile oil, fixed oil, resin, tannin, christembine (alkaloid) ^[12] , Phenolic acids like caffeic acid, vanillic acid, chlorogenic acid, cinnamic acid, ocumaric acid. 4.33% of the embelin content is observed in the berries of Embelia ribes. ^[13]

CONCLUSION

Each ingredients of this drug *kukkilathay chooranam* shows a good activity related to bleeding piles. By various literature shows that the drug poses Styptic, Anti inflammatory, Anthelmintic and Laxative activities. So it can be concluded that the formulation will be helpful in the management of *Ratha moolam* (Bleeding piles).

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