



Review of Vatsakadi Gana with ref. to its Shoolghna Activity

KEYWORDS

metaplastic, breast , osteoclast giant cells

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Introduction

Shankhusphotanvat tasya yasmat tivrasch vedana

'Shoolasaktasya lakshyante tasmatschoolam ih uchyate' (Sushrut uttartastra 42)

In above sutra Acharya Sushrut mentioned nature of shoola with its definition. He described types and different nature of shoola in Gulma Adhyay. He described Shoola differently also. While mentioning Gulma sthane both Charak and Sushrut said

"Pancha Gulmashraya Nrunam Parshwe Hritnabhibastay" (su.u.42)

"Bastou ch Nabhyam Hruddi Parshwayo ch Gulmasya sthanani bhavanti pancha" (Ch.chi.5)

Acharya SUSHRUT told that shoola without gulma has similar sthane as gulma have as mentioned in above shloka .Acharya Sushrut intended to say that the word shoola should be considered as Udarshoola. Many ayurved scholars are considering the same theory in their text books also.

Acharya Vagbhat (vagbhat su.15) mentioned Vastakadi gana. He told many properties of the gana .One of the property of Vastakadi gana on which i m going to focus is SHOOLAGHNA. While studying it was observed dravyas of Vastakadi gana are seen to use in other types of shoola also. so dravyas in Vastakadi gana are not supposed to use for Udarshoola only.




VastakadiGana (Vagbhatsu.15): Kutaj, Morvel, Bharangmoola, Kutki, Marich, Ativisha, Nivdunga, Elchi Pahadmoola, Jeere, Tentu, Madanphal, Ajmoda, Shiras, Vekhand, Shahjeere, Hingu, Vidanga, Rantulas, Panchakol (Pimpali, Pimpalimoola, Chavya, Chitrak, Shunthi)

Aim: To review Vastakadi gana with special reference of its Shoolaghna Property



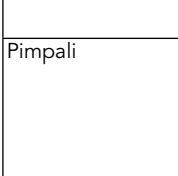


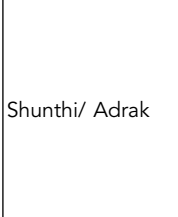
Objective: To review shoolaghna activity of vastakadi gana for its shoolaghna activity in shoola other than udarshoola.

Materials & Methods:

Name	Latin	Activity	Features of activity
Kutuja	Holorrhena antidyserterica	Peripheral Analgesic	Ethanollic extract shows maximum analgesic effect at 20 min when given in dose of 250 mg/kg.

Morvel	Marsdenia Tenacis-sima	Central & Peripheral analgesic effect were tested	Ethanollic extract shows anti-inflammatory action. Marsdenia extract shows analgesic, anti-inflammatory & anti athritic effect in animals.
Bharangmoola	Clerodendrum	Analgesic	Anti-inflammatory, antirheumatic
Kutki	Picrorhiza Kurroa Benth	Analgesic	Sofest substitute for all synthetic NSAIDS anti-inflammatory action not established
Meere	Piper Nigrum	Analgesic	In dose of to mg/kg with diclofenac sod. & pentazocine it increases analgesic property of both
			
Antivisha	Aconitum	Analgesic	Analgesic anti-inflammatory
			
Nivdunga	Euphorbia Nerifolia Linn	Analgesic	Anti-inflammatory & analgesic activity can be obtained from dried leaves at dose of 400 mg/kg 1 day.
			
Ela / Velchi	Elettaria cardamomum	Analgesic	
Pahadmoola		Analgesic	

			
Jeera	Cuminum Cyminum	Peripheral analgesic	Dose higher than 0.2ml / kg the oil doesn't show analgesic activity.
			
Tentu	c.myka / c.latifolia (Wallichii)	Analgesic	
			
Gelphal	Randia dumetorum	Analgesic	500 mg/kg methanolic extract of fruit give analgesic activity. Antibacterial, Anti-inflammatory, Antiallergic, Immunomodulatory
			
Ajmoda	Carum roxburghianum	Analgesic	
Shiras		Analgesic	
			
Vekhanda	Acorus Calamus Linn	Central analgesic	Methanol extract of roots contains anticonvulsant & analgesic property.
Shahjeere		Analgesic	
			
Hingu	Ferula Narthex	Peripheral analgesic	Analgesic effect produced through inhibition of abdominal receptors Antispasmodic.
			
Vidanga	Embelia ribes	Potent centrally acting analgesic	Analgesic effect shown only on Intra-peritoneal administration It also show antipyretic & anti-inflammatory action.

			
Panchakol		Analgesic	
			
Pimpali	Piper Longum	Analgesic	P.longum root had weak opoid but potent NSAID type Fruit decoction – Anti-inflammatory
			
Pimpalimoola		Analgesic	
			
Chavak		Analgesic	Debatable Dravya
			
Chitrak	Plumbago Zeylancia	Analgesic	
			
Shunthi/ Adrak	Zingiber officinale	Analgesic	Analgesic, Anti-inflammatory Hypoglycemic effect In dose (50-800 mg/kg i.p) it produces significant analgesic effect against thermally, chemically induced pain.

Formulation or Kalpa	Vyadhi-adhikar & Sandarbha (Reference)	Dravyas of Vastakadi Gana	Types of Shoola (Other than darshoola)
Maharohitak Ghritam	Pleeha-Yakrut Chikitsa Chakra-datta	Jeere, Vidanga, Trikatu, moda, Chavya, Vacha	Vibandhashoola
Chitrak Ghritam	Pleeha-Yakrut Chikitsa Chakra-datta	Panchakol Shwet Jeere	Bastishoola ,C, Kati-shoola, Ura-shoola
Pathadi Churna	Hridrog Chikitsa Chakra-datta	Patha, Vacha, Trikatu	Shoola of Hridrog

Hingvadi Churna	Hridrog Chikitsa Chakra-datta	Hingu, Vacha, Shunthi, Pimpali	Shoola of Hridrog
Nagar Kwath	Hridrog Chikitsa Chakra-datta	Shunthi Kwath	Shoola of Hridrog
Hapushadi Ghrutam	Gulmachikitsa Chakra-datta	Trikatu, Chavya, Jeerak, Pimpalmoola, Ajmoda	Bastishoola , Hritshoola, Parshwashoola
Nagradi Kalka	Gulmachikitsa Chakra-datta	Shunthi	,Yonishoola
Khanda amalaki	Parinamshool Chakra-datta	Pimpali, Shunthi, Jeerak, Ela	Hritshoola, Prishthashool
Kaladi-mandur	Parinamshool Chakra-datta	Chavya, Pimpalmoola, Shunthi	Sarvashoola
Dadhik Ghrutam	Shoolchikitsa Chakra-datta	Pimpali, Shunthi, Jeerak, Chavya, Vacha Hingu,	Hritshoola, shwashoola, Yoniruja
Ruchakadi churnam	Shoolchikitsa Chakra-datta	Shunthi, Hingu	Hritshoola, Prishthashool Parshwashoola,
Ajmodadi Vatak	Aamvat chikitsa Chakra-datta	Ajmoda, Trikatu, Vidanga, Chitrak, Pimpalmoola	Bastisphootan, Katisphootan, Goodsphootan
Shunthyadi Kwath	Aamvat chikitsa Chakra-datta	Shunthi	Katishhola
Kushthadi lepa	Vataj shirorog Yogratarakar	Shunthi	Shirashoola
Godhoom Pishtha	Arshachikitsa, Yogratarakar	Hingu	Goodshoola
Vijaychurnam	Gulmachikitsa Chakra-datta	Trikatu, Ela, Vacha, Hingu, Patha, Chavya, Kutki, Pimpalmoola, Ajmoda	Hritshoola, Parshwashoola
Chavyad ghurutam	Gulmachikitsa Chakra-datta	Chavya, Shunthi, Marich, Pimpali, Patha, Kutki, Pimpalmoola, Ajmoda	Goodshoola, Vankshanshoola
Kubjivindo Rasa	Rasa sar.S.	Kutki, Shunthi, Marich, Pimpali, Shunthi	Katishhoola
Sarvangsundar Rasa	Rasa sar.S	Pimpali	Sarvashhoola
Kutjadighrutam	Arshachikitsa Chakra-datta	Kutaj	Shoola in Rakta arsha
Jeerak kalka	Vishchikitsa Chakra-datta	Jeerak	Vrishchik danshaj shoola

Pippalyadi	Streerog chikitsa Chakra-datta	Panchakol	Makkal shoola (katishhoola)
Nagarkalka	Shirorog chikitsa Chakra-datta	Shunthi (nasya)	Shiroruja
Sarjika kshar Taila	Karnarogchikitsa Chakra-datta	Hingu, Pimpali, Shunthi	Karnashhoola
Arkapatra	Karnarogchikitsa Chakra-datta	Arkapatra	Karnashhoola
Saptavimshati Guggul	Bhagandhar chikitsa Chakra-datta	Trikatu, Pimpali, Vidanga, Chavya, Pimpalmoola	Hrutshoola, Parshwashoola, Kukshishhoola, Bastishhoola

Observations:

- 1) Peripheral analgesic of Vastakadi Gana; Kutaj, Morvel, Jeerak, Hingu, Rantulas *A
- 2) Central analgesic of Vastakadi Gana; Morvel, Vacha, Vidanga *B
- 3) Morvel is central as well as peripheral analgesic.*C
- 4) Ethanolic extract of Kutaj shows maximum analgesic effect at 20 minute when given in dose of 250mg per Kg body weight.*D
- 5) Kutki is safest substitute for all synthetic NSAIDS.*E
- 6) Marich in dose of 10mg per Kg body weight increases analgesic activity of Diclofenac Sodium and Pentazocine.*F
- 7) Nivdunga shows analgesic activity at a dose 400mg per Kg per day.*G

According to Ayurveda Nivdunga does karma of rechan at small dose also so its analgesic property is difficult to analyse according to Ayurvedic aspect

- 8) Oil of Jeerak doesn't show analgesic activity when given in dose higher than 0.2 ml per kg body weight.*H
- 9) Methanolic extract of fruit of Madanphal shows analgesic action when given in dose of 500mg per kg body weight.*I

According to Ayurveda Madanphal does karma of vaman relatively at small dose so its analgesic property is difficult to analyse according to Ayurvedic aspect

- 10) Root of Pimpali is potent NSAID.*J
- 11) Shunthi produces analgesic effect when given a dose of 50 to 800 mg per kg body weight.*K
- 12) Acharya Sushrut (SU.SU 38) mentioned Pippalyadi gana by telling its shoolahghna activity.

Acharya Charak (Ch.Su.4) mentioned Shoola prashaman gana.

CONCLUSION:

From above references of granthas we can say that though Vastakadi gana Dravyas has activity over other types of

shoola other than udarshoola. In addition research studies in international journals also mention Vastakadi gana dravyas in peripheral and centrally acting analgesics. So if it is mentioned in grantha that terminology of shoola indicates Udarshoola and according to Acharya Vagbhat Vastakadi gana is shoolaghna still in the case of Vastakadi Gana. Meaning of shoolaghna is not related to udarshoola only.

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