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THERAPEUTIC POTENTIAL OF RAS PACHAK KASHAYA IN RAS PRADOSHAJ VIKAR

Dr. Pallavi Kodle 1* and Dr. Shraddha Sharma 2

¹PG Scholar, Department of Dravyaguna, Pt Khushilal Sharma Govt. Ayu. College and Institute, Bhopal.

²Asst. Professor, Department of Kayachikita, Pt Khushilal Sharma Govt. Ayu. College and Institute, Bhopal.

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*Corresponding Author Dr. Pallavi Kodle

PG Scholar, Department of Dravyaguna, Pt Khushilal Sharma Govt. Ayu. College and Institute, Bhopal.

ABSTRACT

Vikar (RPV), in Ayurvedic Ras Pradoshaj physiology, conceptualized as a disorder arising from compromised digestive function, specifically a diminution of 'Pachak Agni.' This leads to the accumulation of 'Ama,' a metabolic byproduct. According to Ayurvedic principles, this Ama subsequently vitiates Rasa Dhatu (primary nutrient plasma), contributing to the pathogenesis of Ras Pradoshaj Vikar (RPV). In Charaka Samhita, Chikitsa Sthana, Chapter 3 (Visham Jwara Prakarana), Acharya Charaka describes Rasa Pachaka *Kashaya* for the treatment of *Santata Visham Jwara* (continuous fever) arising from Rasa-Dhatu-dushti (vitiation of Rasa Dhatu). The formulation proposed to address this pathological cascade through its constituent herbs.

- Indrayava (Holarrhena antidysenterica)
- Patola (Trichosanthes dioica)
- Katuki (Picrorhiza kurroa)

This formula is belived to acts on *Mandagni* (*sluggish digestion*) and improve metabolic transformation at *Rasa Dhatu* level. This formulation also known as *Kalingadi Kashaya*. **Aim and Objectives**: This paper aims to explore and describe the therapeutic effects of the herbal constituents of *Ras Pachak Kashaya* (*Kalingadi Kashaya*) in the management of *Ras Pradoshaj Vikar*. **Mathod and Materials**: A comprehensive literature review was conducted to gather information on RPV and the pharmacological properties of the constituent herbs of *Kalingadi Kashaya*. Relevant data was collected from classical Ayurvedic texts, peer-

reviewed research articles, and scholarly databases, including Google Scholar, PubMed, and ResearchGate, using appropriate search terms. **Discussion:** *Indrayava* is known for its antidysenteric, anti-inflammatory, and digestive properties, which may help in correcting the vitiation of *Rasa Dhatu. Patol* possesses hepatoprotective and detoxifying actions, aiding in the purification of Rasa Dhatu. *Katuki* exhibits hepatoprotective, choleretic, and digestive stimulant properties, contributing to the restoration of healthy Rasa Dhatu. **Conclusion**: This review highlights the potential herbs in *Ras Pachak Kashaya*. *Ras Pachak Kashaya* is a promising way to manage RPV. It is a traditional *Ayurvedic* formula, in addressing *Rasa Pradoshaj Vikar* (RPV), a condition rooted in impaired digestion and tissue metabolism. In the future, it's important to conduct well-designed clinical trials to prove the effectiveness of *Ras Pachak Kashaya* and other *Ayurvedic* treatments.

KEYWORDS: Ayurveda, Ras Pradoshaj Vikar, Ras Pachak Kashaya, Kalingadi Kashaya, Indrayava, Patol, Katuki, Holarrhena antidysenterica, Trichosanthes dioica, Picrorhiza kurroa.

INTRODUCTION

Ayurveda is a traditional Indian medical system with a long and established history. Ancient *Vedic* texts suggest its origins are contemporaneous with the Earth itself, a concept expressed by the phrase *'Shashvato Ayam*,' meaning *Ayurveda* is considered eternal, without a defined beginning or end. The term *'Ayurveda'* is derived from *'Ayu'* (life) and *'Veda'* (knowledge), signifying the 'science of life.'

The core objectives of *Ayurveda* are to promote health in healthy individuals and to treat disease in those who are ill. According to the principles outlined by *Acharya Charaka*, the human body is comprised of three fundamental components: the *Tridosha*, the *Saptadhatu*, and the *Malas*. These are considered the *'Mula'* (foundational elements) of the body.

- Tridosha (Biological Humors): 'Dushyanti iti doshah' implies that these are the
 physiological factors (Vata, Pitta, and Kapha) that can become imbalanced due to various
 causative factors ('Hetus'). This imbalance can disrupt tissue function and lead to
 pathological conditions. Essentially, the Tridosha are considered to be the regulatory
 principles of the body.
- Saptadhatu (Tissue Systems): 'Dharnat iti dhatavah' refers to the seven tissue systems (Rasa, Rakta, Mamsa, Meda, Asthi, Majja, and Shukra) that provide structural and

functional integrity to the body. They maintain cohesion and prevent tissue breakdown. These can be thought of as the building blocks of the body.

 Mala (Metabolic Waste Products): 'Malini karananya malah' denotes the metabolic byproducts (such as urine, feces, and sweat) that are essential for elimination to maintain physiological homeostasis. The Malas represent the removal of waste to maintain health."

Rasa dhatu is the foremost Dhatu formed in the body which is responsible for the existence of the body. Hence it is necessary to have profound knowledge about this Rasa dhatu and the manifestation of diseases due to Rasa Dusti. Rasa is the biological substance, which is an Apya Mahabhuta dominant. The Sthana of the Rasa Dhatu is Hridaya from here it circulates all over the body. The proper knowledge of the Rasa dhatu doshaja vikara as stated in ancient treatises it helps the physician in planning proper treatment. [1]

Ras Dhatu Nirukti

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"तत्र रस गतौं धातुः अहरहः गच्छति इति अतो रसः॥ 📮 💢 सु.सू. १४/१३"
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It is constantly circulating in our body so that it is called as 'Rasa'. Among the seven Dhatus, such as Rasa-Rakta, 'Rasa' is taken as the primary Dhatu.

Ras Pradoshaj Vikar (RPV) Nirukti - The term is derived from three Sanskrit words:

- "Ras" (रस): Refers to Rasa Dhatu, the primary nutrient fluid in the body.
- "Pradoshaj" (प्रदोषज): Indicates vitiation or impurity.
- "Vikar" (विकार): Signifies disease or disorder.

RPV literally translates to diseases arising from vitiated Rasa Dhatu.

Rasa Pradoshaj Roga Causes

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गुरु शीतम् अति स्निन्धम् अतिमात्रं सम्नतात् ।
रस वाहीनि दुष्यन्ति चिन्त्यानां च अति चिन्तनात् <sup>॥<sup>३</sup> (च.वि.५/१३)</sup>
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Guru aahara - heavy foods

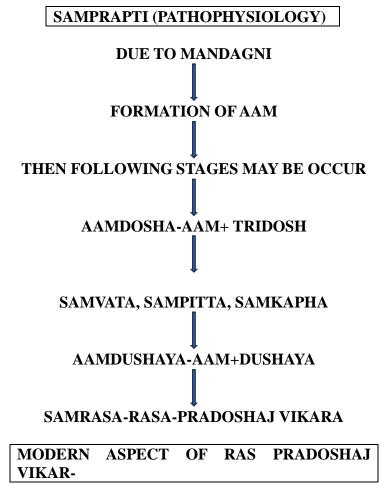
Sheeta aahara - cold food

Ati snigdha - excessive consumption of oily / fried / greasy food

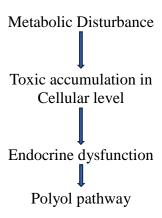
Ati maatram - eating food in excessive Quantity

Ati chintanaat - excessive thinking (stress) / worry

PATHOPHYSIOLOGY OF RAS PRADOSHAJ VIKAR- Modern life, with its fast pace and technology, often leads to unhealthy habits. Poor and improper eating habits, in particular, can weaken our digestive system, which Ayurveda refers to as 'Agni' or digestive fire. When digestive fire is weak (a condition known as Agnimandhya), food is not properly digested, disrupting the formation of Rasa dhatu (the first tissue formed after digestion) and other vital tissues (Dhatus) in the body. This vitiation of Rasa tissue can lead to imbalances and various unhealthy conditions collectively known as Rasa Pradoshaj Vikar (RPV).



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Rasa Pradoshaj Rogas Symptoms

अश्रद्धा च अरुचिः च आस्यवैरस्यम् अरसञ्चता हल्लसो गौरवं तन्द्रा स अङ्गमर्ते ज्वरः तमः पाण्डुत्वं स्रोतसां रोधः क्लैब्यं सादः कृशाङ्गता । नाशो अग्नेः अयथाकालं वलयः पलितानि च | रस प्रदोषजा रोगाः....॥ ^[4]च.सू. २८/९-११ तत्र अन्न अश्रद्धाः अरोचक अविपाक अङ्गमर्द ज्वर हल्लास तृप्ति गौरव हत् पाण्डुरोग मार्गोपरोध काशर्य वैरस्य अङ्गसाद अकालज वली पलित दर्शन प्रभृतयो रसदोषजा विकाराः॥ इ.सू. ३४/९

- Ashraddha loss of interest towards taking food
- Aruchi / Arochaka tastelessness, anorexia
- Avipaka indigestion of food
- Aasya vairasya manifestation of opposite tastes, i.e. when food of one taste is taken it is
 actually perceived as some other taste, example when sweet taste is consumed it tastes
 bitter or salty
- Arasagnataa not able to perceive taste of the food in its actual sense
- Hrillasa nausea
- Gouravam heaviness of the body parts
- Trupti early satiety even before adequate quantity of food is consumed
- Tandra drowsiness
- Angamarda pain in the body parts as if someone has beaten
- Jwara fever
- Tama feel as if one is entering into the darkness
- Pandutvam pallor, anemia due to the improper formation of blood tissue which is the
- Hrit Roga heart diseases
- Srotasaam rodaha / Margoparodha obstruction in the channels of the body
- Klaibyam impotency
- Angasaada / Saada weakness of the body parts
- Krushangata / Kaarshya emaciation of the body parts
- Naasho agnehe deterioration of digestive fire
- Ayathakala vali premature wrinkling of skin

• Ayathakala palita - premature graying of hairs

Contamination of *Rasa, Kapha and Ama* in RPV, the most of the symptoms of *Rasa Pradoshaj* diseases resemble the *Kapha* increase symptoms. This is because rasa is a tissue which belongs to the kapha category of body elements and both these share *Ashray-Ashrayi* relationship i.e. among many tissues in which *Kapha* resides, *Rasa* is one of them. Contamination of *Rasa* will also increase *Kapha*, both these elements will contaminate each other. There-fore the symptoms like slow digestion, heaviness of the body, indigestion, early satisfication in taking food, weakness, lethargy, drowsiness etc are manifested. The same symptoms are also the symptoms of formation of *Ama*.

RAS PRADOSHAJ VIKAR (RPV)

in Ayurvedic physiology, is conceptualized as a disorder arising from compromised digestive function, specifically a diminution of 'Pachak Agni.' This leads to the accumulation of 'Ama,' a metabolic byproduct. According to Ayurvedic principles, this Ama subsequently vitiates Rasa Dhatu (primary nutrient plasma), contributing to the pathogenesis of Ras Pradoshaj Vikar (RPV). In Charaka Samhita, Chikitsa Sthana, Chapter 3 (Visham Jwara Prakarana), Acharya Charaka describes Rasa Pachaka Kashaya for the treatment of Santata Visham Jwara (continuous fever) arising from Rasa-Dhatu-dushti (vitiation of Rasa Dhatu). The formulation proposed to address this pathological cascade through its constituent herbs.

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AIM AND OBJECTIVES: This paper aims to explore and describe the therapeutic effects of the herbal constituents of *Ras Pachak Kashaya* (*Kalingadi Kashaya*) in the management of *Ras Pradoshaj Vikar*.

METHOD AND MATERIALS: A comprehensive literature review was conducted to gather information on RPV and the pharmacological properties of the constituent herbs of *Kalingadi Kashaya*.

Relevant data was collected from classical Ayurvedic texts, peer-reviewed research articles, and scholarly databases, including Google Scholar, PubMed, and ResearchGate, using appropriate search terms.

DISCUSSION

Table-1: Details of Ras Pachak Kashay Herbs.

HERB NAME	KUTAJ	PATOL	KATUKI
Synonyms	Girimallika, Vatsak, Kaling Indravriksh, Vrikshak	Kulak, karkashchhad, rajiphal, amritphal, bijagarbh, kushthha, tikta, kasbhanjan, rajey.	Katvi, Katuka, Tikta, Matsyapitta, Ashoka, Matsyashkla, Katmbhara, Chakrangi, Kandruha, Shakuladani, Rohini, Katurohini.
Family	Apocynaceae	Cucurbitaceae	Scrophulariaceae
Botanical name	Holarrhena antidysenterica	Tricosanthes dioica	Picorrhiza kurroa
Botanical description	Tree	Vine	Herb
Geographical Distribution	India, Southeast Asia, Africa.	India, Bangladesh, other tropical regions.	Himalayan regions.
Chemical Constituents	Alkaloids (conessine, etc.), tannins, steroids.	Triterpenoids, flavonoids, proteins, vitamins.	Iridoid glycosides (picrosides), kutkin.
Traditional Uses	Dysentery, diarrhea, amoebiasis, intestinal disorders.	Digestive disorders, liver health, blood sugar control.	Liver protection, immune modulation, respiratory ailments.
Pharmacological Actions	Antimicrobial, antiprotozoal, antidiarrheal.	Hepatoprotective, antioxidant, hypoglycemic.	Hepatoprotective, immunomodulatory, anti-inflammatory.
Therapeutic Uses	Treatment of amoebiasis, intestinal infections.	Support for liver function, diabetes management	Management of liver disorders, boosting immunity.
Adverse	Potential toxicity with	Generally considered safe,	Potential for gastrointestinal upset,
Effects/Toxicity	high doses.	but potential for allergies.	interactions with medications
Plant Part Used	Bark, seeds	Fruit, leaves, root	Rhizome
Rasa	Tikta, Katu, Kashaya	Tikta	Tikta
Virya	Sheeta	Ushna	Sheeta
Vipaka	Katu	Madhur	Katu
Guna	Laghu, ruksha	Laghu and Snighdha	Laghu, ruksha
Dosha-Karma	Kaphapitta Shamak	Tridosha Shamak	Pittahar
Mala-Karma	Sangrahik	Malanuloman	Bhedan,Rechan
Karma	Agnideepan, pachan. It should be used to digest Rasagata Ama and Sama Doshas and to pacify Niram Doshas by its Tikta Rasa. Pacifies Rasagat doshas.	Patol is Pachan, Dipan and Hridy Dravy. It is useful in Tri-dosha dusti and to expel and pacify Niram doshas due to its Virechan property.	Agnideepan, Hridya, Kaphapitta Jwarhar, Balashar(aamhar), Arochakhar, Vishamjwarnashak.

KUTAJ

MAHAKASHAY- According to Acharya Charak- Arshoghn, Kandughn, Stanshodhan, Asthapanopag, Vamak.

GANA- According to Acharya Sushrut- Aragvadhadi, Pipalyadi, Haridradi, Lakshadi, Urdhvabhagahar.

कातिङ्गः शक्रशाखी च मित्तिकापुष्प इत्यपि । इन्द्रो यवफतः प्रोक्तो वृक्षकः पाण्डुरद्धमः II कुटजः कटुको रूक्षो दीपनस्तुबरो हिमः । अर्शोऽतिसारपित्तास्त्रकफतृष्णाऽऽमकृष्ठनृत् II⁽⁶⁾ Bhav. Prak.^[116-118]

Names of *Kutaj* and their properties- *Kuda, Kutaja, Vatsaka, Girimallika, Kalinga, Shakrashakhi, Mallikapushpa, Indra* (all words synonymous with *Indra*), *Yavphal, Vrikshaka and Panduradruma*. It has *Katu* and *Kashay Ras, Ruksha, Agnideepak* and *Shita Virya* and it has, antihaemorrhoidal, antidiarrheal, Pittaraktakaphahar, Aampachan and Kusthahar properties.

PATOL

MAHAKASHAY- According to Acharya Charak-Truptighna, Trishnanigrahan.

GANA- According to Acharya Sushrut-Patoladi, Aragvadhadi.

पटोतः कुलकश्तिकः पाण्डुकः कर्कशच्छदः।राजीफतः पाण्डुफतो राजेयश्चामृतफतः॥

बीजगर्भः प्रतीकश्च कृष्ठहा कासभञ्जनः । पटौलं पाचनं हृद्यं वृष्यं लध्वग्नितदीपनम् ॥

रिनर्थोष्णं हन्ति कासास्त्रज्वरदोषत्रयक्रिमीन् ||^[7] Bhav. Prak.[69-70]

The Sanskrit names of Patol are Kulak, Tikta, Panduk, Karkashachchad, Rajiphal, Panduphal, Rajeya, amritphal, Bijagarbh, Pratik, Kusthaha, Kasabhanjan. Patol is digestive, beneficial for the heart, Viryavardhak, Laghu, Agnidipak, Snigdha, Ushnavirya and destroying cough, blood disorders, fever, Tridosh and Krimi.

KATUKI

MAHAKASHAY- According to Acharya Ch**a**rak- Bhedaniy,lekhaniy, Stanyashodhan, Tiktaskandh.

GANA- According to Acharya Sushrut-Patoladi, Pippalyadi, Mustadi. कट्वी तु कटुका तिक्ता कृष्णभेदा कटमभरा ॥ अशोका मत्स्यशकता चक्राङ्गी शकुतादनी ॥ मत्स्यिपता काण्डरूहा रोहिणी कटुरोहिणी ॥कटवी तु कटुका पाके तिक्ता रूक्षा हिमा तधुः ॥ भेदिनी दीपनी हृद्या कफपितज्वरापहा । प्रमेहश्वासकासास्त्रदाहकुष्ठक्रिमिप्रणृत् ॥^[8] Bhav. Prak.[151-152]

Names and properties of *Kutki- Katvi, Katuka, Tikta, Krishnabheda, Katambhara, Ashoka, Matsyashakala, Chakrangi, Shakuladani, Matsyapitta, Kandaruha, Rohini and Katurohini* are all the names of *Kutki. Kutki* is bitter in taste, *Vipak-Katu*, rough, cool, light, *Mala-Bhedini*, inhance diagestive fire, good for the heart, it also useful in *Kaphapittaj* fever, diarrhea, asthama, cough, blood disorders, burning sensation, leprosy and worms.

MODE OF ACTION- Understanding the Role of Ras Pachak Kashay in Rasa Pradoshaj Vikar (RPV).

- Ras Pachak Kashay, a traditional Ayurvedic formulation, is characterized by its bitter taste (Tikta rasa) and light (Laghu) and dry (Ruksha) properties.
- These properties contribute to its actions as a digestive stimulant (*Deepan*), digestant (*Ampachak*), and channel cleanser (*Shrotoshodhan*). The light and dry qualities, along with the bitter taste, are associated with the predominance of *Vayu* and *Akash Mahabhutas*, enabling the *Kashay* to address channel obstruction (*Shrotorodh*).
- The bitter (*Tikta*) and pungent (*Katu*) tastes contribute to digestive processes, addressing symptoms such as loss of appetite (*Aashraddha*), aversion to food (*Aruchi*), indigestion (*Avipaka*), nausea (*Hrillas*), heaviness (*Gourav*), satiety (*Trupti*), lethargy (*Tandra*), fever (*Jwar*), mental dullness (Tama), body aches (*Angasaad*), diminished digestive fire (*Agnimandya*), and pallor (*Pandutva*).
- Additionally, the blood-purifying (*Rakta Shodhak*) properties of the *Kashay* may alleviate blood-related disorders,
- While the cardiotonic (*Hridya*) properties of *Patol* may benefit cardiac conditions.
- The aphrodisiac (*Vrishya*) properties may address concerns related to sexual vitality (*Klaibya*), and the bitter-nutritive (Tikta poshtik) qualities may help with emaciation (Krishangta).
- *Indrayav* is known for its anti-dysenteric, anti-inflammatory, and digestive properties, which may help in correcting the vitiation of *Rasa Dhatu*. *Patol* possesses hepatoprotective and detoxifying actions, aiding in the purification of Rasa Dhatu. *Katuki* exhibits hepatoprotective, choleretic, and digestive stimulant properties, contributing to the restoration of healthy Rasa Dhatu.

While treating Rasa pradoshaj vikara langhana and raktapittahari kriya should be done respectively. Tikta rasa is predominantly used for Ama pachan and Kapha Pitta shaman. [9]

CONCLUSION

Life is incredibly valuable, shared by all living things – people, plants, and animals. A healthy lifestyle is key to living a long and fulfilling life. This review article highlights the potential of herbs in Ras Pachak Kashaya as a promising approach to managing RPV. These herbs share common characteristics, such as a bitter taste (Tikta Rasa), a light quality (Laghu Guna), and actions like stimulating digestion (Agnideepana), digesting Ama (Amapachana), supporting heart health (Hridya), balancing Pitta and Kapha doshas (two of the body's vital energies), and purifying body channels (Shrotoshodhana). This review examines Ras Pachak Kashaya, a traditional Ayurvedic formulation, in addressing Rasa Pradoshaj Vikar (RPV), a condition rooted in impaired digestion and tissue metabolism. These properties suggest that the herbs could be beneficial in treating RPV. Ayurveda offers numerous potential methods for preventing and treating this condition. In the future, it's essential to conduct well-designed clinical trials to validate the effectiveness of Ras Pachak Kashaya. This will help build scientific evidence for Ayurvedic practices. While this review suggests a strong theoretical basis and traditional efficacy, it is crucial to acknowledge the need for rigorous scientific validation. Future research should prioritize well-designed clinical trials to objectively assess the safety and efficacy of Ras Pachak Kashaya in diverse patient populations. Such studies will not only solidify the clinical utility of this formulation but also contribute to the broader integration of evidence-based Ayurvedic practices into modern healthcare. Ultimately, by bridging the gap between ancient wisdom and contemporary scientific inquiry, we can unlock the full potential of *Ayurveda* in promoting health and well-being.

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