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Review Article

ROLE OF DEEPANA PACHANA KARMA IN MANAGEMENT OF RASAPRADOSHAJA VIKARAS

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ABSTRACT

For a tree to stand erect with its branches, its roots must be strengthened by nourishing them timely such that the whole tree receives proper nourishment for its growth and development. Similarly, the *Tridoshas, Saptha Dhatus* and *Tri-Malas* are the roots strengthening this body when nourished timely. The *Dosha-Dhatu-Mala* in their state of normalcy enhances the strength of the body which is inferred through their respective physiological functions. This is achieved under the influence of two factors that is- *Ahara* and *Agni*. Ayurveda has endowed the function of thermogenesis and metabolism in the body to *Agni*. Proper functioning of *Agni* is responsible for all the metabolic activities in the body. Thereby, *Agnimandya* is said to be the root cause for all the diseases, as it results in the formation of *Ama* affecting the *Rasavaha Srotas* initially. The *Ama Lakshanas* resemble with the *Rasapradoshaja Vikaras*. *Kapha Dosha* is said to be the *Asrayee* in *Rasa Dhatu* and thereby the *Rasa Vruddhi Lakshanas* are similar to that of *Kapha Vruddhi Lakshanas*. So the *Chikitsa* as mentioned for *Kapha Dosha* can be implemented in *Vruddhi/Kshaya* of *Rasa Dhatu*. *Shodhana* without *Ama-Pachana* results in further complication. Therefore the line of treatment revolves around *Srotoshodhana*, *Pachana*, *Agnideepana* and *Vatanulomana*.

KEYWORDS: Deepana Pachana Karma, Rasapradoshaja Vikaras.

INTRODUCTION

The Ahara that is consumed for the sustenance of Ayu (life) gets transformed by the virtue of Agni into Sara bhaga (essence) and Kittabhaga (waste product). This Sara bhaga (essence) possess all the nutrients required for the Dharana (maintenance) and Poshana (nourishment) of Dosha-Dhatu-Mala, which is also known as Ahara-rasa. For this to be achieved proper functioning of Agni is essential. There are three kinds of Agni Jatharagni, Bhutagni and Dhatvagni.

Jatharagni – It is considered to be the Superior of all the Agni, situated in *Amashaya*. It converts *Ahara* into *Ahara rasa*. It regulates all the metabolic activities and co-ordinates with the functions of other 12 Agnis in the body which are equally important. The line of treatment adopted for proper functioning of *Jatharagni* brings the equilibrium of *Dosha-Dhatu-Mala* and thereby the health of an individual is restored^[1].

Bhutagni- Our body is composed of Panchamahabhutas [Akasha (earth), Vayu (air), Agni (fire), Jala (water), Pruthvi (land)]. Bhutagni is the one that acts on these Panchamahabhutas. They are of five types namely- Nabhasagni, Vayavagni, Agneyagni, Aapyagni, Parthivagni respectively. These

act on the respective *Mahabhuta* existing in the *Ahara*. Further after the completion of digestion it specially nourishes its respective *Mahabhutas* present in the body^[2].

Dhatvagni – Dhatvagni is responsible for the formation of Rasadi Dhatus. It is of 7 types namely, Rasagni, Raktagni, Mamsagni, Medoagni, Asthyagni, Majjagni, Shukragni. These regulate the formation of Saptha-Dhatu respectively. They possess respective Srotases such as Rasavaha, Raktavaha etc for their functioning. These Srotases provide a pathway for supplying the Ahararasa (essence) for metabolism. Hence for proper formation of Dhatus, proper functioning of Dhatvagni is essential^[3].

In brief, the *Ahara* that is consumed is partly digested by *Bhutagni* as well as *Jatharagni* (*Antaragni*), which is further digested and metabolized by *Dhatvagni* to bestow the body with *Bala* (strength), *Pushti* (nourishment), *Varna* (complexion) and *Utsaha* (enthusiasm) by the formation of *Saptha Dhatus*.

The formations of Saptha Dhatus are further explained with the help of following *Nyayas* (theories).

i) Kshira-Dadhi Nyaya^[4] (Law of Transformation):

Kshira (milk) and Dadhi (curd) are two separate substances which undergo complete transformation and as a result Dadhi (curd) is formed from Kshira (milk). Similarly the Rasa Dhatu formed from Ahararasa gets completely transformed into Rakta Dhatu and similarly Mamsa, Medas, Asthi, Majja and Shukra are formed by the virtue of progressive stages of transformation.

In the above quoted example, only the *Kshira* (milk) gets completely converted into *Dadhi* (curd) as a whole.

ii) Khale - Kapota Nyaya^[5] (Theory of Selectivity):

Khale is the term used for grains and the Kapota represents pigeons. When a heap of grain is kept at a place, pigeons from distant places come to pick up the grains depending upon their requirement and go back to their respective places; Similarly, Ahara-rasa is just like a heap of grains having the esscence part. The Dhatus based on their requirement pick up the nutrients from the Ahara-rasa and get nourished.

According to this *Nyaya*, *Ahara-rasa* reaches upto all the *Dhatus* through different pathways and nourish each *Dhatu* in particular.

iii) *Kedari-Kulya Nyaya*^[6] (The Law of Transmission):

Kedara means paddy field and Kulya denotes small channels. In the process of irrigation, water from the reservoir is supplied to the field through the small channels. The water reaches to the first part of the field and is utilized by the crop in that area, as the water moves further it reaches to the next part of the field and gets utilized by the crop in that particular area likewise the water gets utilized in the remaining part of the field. In the similar way, Ahara-rasa (Kedara) that is circulating throughout the body in the Srotas (Kulya) nourishes the respective Dhatus. Likewise it reaches upto all the Dhatus.

These three *Nyayas* (theories) simultaneously act based on the *Ahara-rasa* that is formed, where a part of it nourishes through *Kshira Dadhi Nyaya*, a part of it directly nourishes a specific Dhatu (For example *Kshira* directly acts on *Shukra Dhatu*) and the remaining part of it nourishes the *Dhatus* that comes in its way while it is circulating throughout the body.

Formation of Rasa Dhatu

The *Ahara* which is composed of *Panchamahabhutas* gets transformed by the virtue of *Jatharagni* into "*Ahara-Rasa*". The *Ahara-Rasa* formed in *Amasaya* is *Agneya* and as it reaches the *Hrdaya*, it becomes *Soumya*. This implies that *Rasa* is a *Soumya Dhatu* and *Hrdaya* becomes the seat for *Rasa Dhatu*.

From *Hrdaya*, twenty four *Dhamanis* originate of which ten goes upwards, ten goes downwards, four goes transversely and thereby the *Rasa* circulates throughout the body in these *Dhamanis*.^[7]

Pramana of Rasa Dhatu: 9 Anjali[8]

Types of Rasa Dhatu[9]

- **1.** *Sthayi Rasa*: Which nourishes itself and circulates throughout the body
- **2.** *Poshaka Rasa*: Which forms *Rakta Dhatu* and nourishes it.

Functions of Rasa Dhatu

- ➤ Tarpayati Iti Sarvaneva Preenayati- The Rasa circulating throughout the Shareera nourishes every part of the Shareera constantly by the virtue of it being Param Sukshma (i.e., it is capable of reaching the minute srotas).[10]
- ➤ Vardhayati Iti Balam The Rasa promotes growth and development of the body in children (having age between 1-16 years).[10]
- ➤ Dharayati Iti Madhyam Sampurnadhatutwat -The Rasa also does Dharana of Dhatu (supports the Dhatus) during the middle age of an individual.[10]
- Yapayati Iti Vruddham Kshiyamandehatwat- The Rasa sustains the body, while it undergoes Dhatu Kshaya as the age of person advances (i.e., as the person attains vruddhapya till death).[10]
- ➤ Rakta Pushtim Karoti The Poshaka Rasa along with Ranjaka Pitta in Yakrt-Pleeha also being the Raktavaha Srotomoola, attains Raga and gets transformed into Rakta Dhatu.[11]
- Rasat Stanyam- Stanya and Artava are formed from the Rasa Dhatu as its Upadhatu.[12]

Asraya-Asrayee Bhava in Relation to Rasa Dhatu

The *Dosha-Dhatu-Mala* in its normalcy is said to be *Satmya* (conducive) for the body as they provide *Bala* (strength) to it. On the other hand *Vruddhi/ Kshaya* of *Doshadi* causes discomfort to the body. In order to plan *Chikitsa* (treatment) in such cases, knowledge of *Asraya-Asrayee* becomes necessary. *Kapha* is said to be *Asrayee* in *Rasa-Mamsa-Meda-Majja-Shukra-Mutra-Purisha.*^[13]

Precisely *Kapha* has more affinity towards the *Rasa Dhatu*. Vagbhata also states *Rasopi Sleshmavat* i.e., *Rasa Vruddhi Lakshanas* are similar to that of *Kapha Vruddhi Lakshanas*.^[14]

This infers the *Dravyatmaka, Gunatmaka* and *Karmatmaka* similarity between *Kapha Dosha* and the *Rasa Dhatu*. Therefore, the *Chikitsa* (treatment) as mentioned for *Kapha Dosha* can be implemented in *Vruddhi/Kshaya* of *Rasa Dhatu*.

Table 1: Kapha Dosha Kshaya Lakshanas

<u> </u>			
Sushruta ^[15]	Vagbhata ^[16]		
1. Rukshata	1. Bhrama		
2.Antar-Daha in Amashaya-Uras-Kanta- Shiras-Sandhi	2. Hrut-Drava (Hrudi Kampa)		
3. Sleshma-asaya (Amasaya) Shunyata	3. Sleshma-asaya (Uras-Shiras-Sandhi) Shunyata		
4. Sandhi Shaithilya	4. Shlatha Sandhita (Sandhi Shaithilya)		

Table 2: Kapha Dosha Vruddhi Lakshanas

Sushruta ^[17]	Vagbhata ^[18]
1. Shouklyam	1. Agni-Sadana
2. Shaitya	2. Praseka
3. Sthairya	3. Alasya
4. Gouravam	4. Gouravam
5. Avasada	5. Shwaitya
6. Tandra-Nidra	6. Shaitya
7. Sandhi Vishlesha	7. Shlathangatwam
	8. Shwasa-Kasa
	9. Atinidrata

Table 3: Rasa Dhatu Kshaya Lakshanas

Charaka ^[19]	Sushruta [20]	Vagbhata ^[21]
1. Ghattate	1. Hrut-Peeda	1. Roukshyam
2.Uchhai-Shabdam Na-Sahate	2. Hrut-Kampa	2. Shrama
3. Hrudayam Dravati	3. Hrut-Shunyata	3. Shosha
4. Tamyati	4. Trsna	4. Glani
5. Shulyate	S S S S S S S S S S S S S S S S S S S	5. Shabda-asahishnuta
6. Swalpachestata	de la companya della companya della companya de la companya della	4

Table 4: Rasa Dhatu Vruddhi Lakshanas (Rasapradoshaja Vikaras)

Charaka ^[22]	Sushrutha[23]	Vagbhata ^[24]
1. Asraddha	1. Hrudaya-Utkledam	1. Agni-Sadan
2. Aruchi	2. Prasekam	2. Praseka
3. Asya-Vairasya	3. Anna-ashraddha	3. Alasya
4. Arasajnata	4. Arochaka	4. Gouravam
5. Hrullasa	5. Avipaka	5. Shwaitya
6. Gouravam	6. Angamarda	6. Shaitya
7. Tandra	7. Jwara	7. Shlathangatwam
8. Angamarda	8. Hrullasa	8. Shwasa-Kasa
9. Jwara	9. Trupti	9. Atinidrata
10. Tama	10. Gourava	
11. Pandutwam	11. Hrut-Pandu Roga	
12. Srotorodha	12. Margavrodha	
13. Klaibya	13. Karsya	
14. Sada	14. Vairasya	
15. Krushangata	15. Angasada	
16. Agni-nasha	16. Akalaja Vali-Palita	

Rasavaha Sroto-Dushti Nidana[25]

- ➤ *Guru-Shitam*: that which is heavy for digestion, increase *Kapha* in the body.
- > Ati-Snigdham: excessive intake of unctuous substances
- ➤ *Ati-Matram*: excessive intake of *Ahara* in terms of quantity.
- ➤ Samshnatam: intake of conducive and non-conducive substances in equal quantity.
- ➤ Chintyanam Ati-Chintanat: Analyzing and Thinking excessively in the matters analyzed priorly.

Samprapti of Rasapradoshaja Vikaras

Due to the intake of the *Nidanas* (etiology of disease) as mentioned above *Kapha Dosha Vruddhi* occurs predominantly along with *Vata Dosha* causing *Agnimandya* (impaired digestive fire). As a result there is formation of Ama (improperly digested material) which further impairs the quality of *Rasadi Dhatus*. *Rasa* being the first among the *Sapta Dhatus* gets impaired initially and thereby the successive *Dhatus* also get depleted qualitatively and quantitatively.

Therefore, a wide range of *Lakshanas* as mentioned in the above tables are seen depending upon the amount of *Nidana* (intake of causative factors) consumed and the progress of *Vyadhi Samprapti* (pathogenesis) occurred.

This infers the involvement of Rasa as a Dushya (impaired Dhatu) predominantly in the Samprapti (pathogenesis) that causes Sroto-avarodha (obstruction in pathways) in Rasavaha Srotas and as a result Hrudaya and Manas are also affected, as Hrudaya is Rasavaha Srotomula and also the Adhistana (seat) for Mana.

Samprapti Ghataka

Dosha: Kapha Pradhana Dosha, Vata Anubandha

Dosha

Dushya: Rasa (Predominantly)

Agni: Jatharagni-Mandya leading to Rasa

Dhatwagni Mandya

Srotas: Rasavaha Srotas (Initially)

Srotodushti : Sanga

Udbhava Sthana : Amashaya

Rogamarga : Abhyantara

Lakshanas of Rasapradoshaja Vikaras[26]

- 1. *Asraddha* (Disinclination towards food): In this condition there is lack of interest towards food person is able to consume the food.
- 2. *Aruchi* (Anorexia): In this condition there is lack of interest towards food and the person also feels difficulty while consuming the food.
- 3. *Aasya-Vairasya:* It is a condition where the taste of the food that is consumed, is perceived as *Vikruta* (i.e., other than its original taste).
- 4. *Arasjnata*: Complete loss of perception of taste by the *Rasanendriya* (Jihwa).
- 5. *Hrullasa* (Nausea): It is an unpleasant sensation of uneasiness and discomfort, often perceived as an urge to vomit.
- 6. *Gourav*: A feeling of heaviness in the body.
- 7. *Tandra* (Drowsiness or Somnolence): It is a state of strong desire to sleep or sleeping for unusually long hours.
- 8. *Angamarda*: It is a generalised body ache where in a person experiences squeezing kind of pain.
- 9. *Jwara*: Increased temperature in the body.
- 10. *Tama*: It is a state of momentary blackout.
- 11. *Panduvarnata*: It is a condition characterized with whitish discoloration of body.
- 12. *Sroto-avarodha*: Obstruction in the *Srotas* (pathway)
- 13. *Klaibya* (Impotency): It is a condition characterized by consistent inability to sustain an ejaculation sufficient for sexual intercourse in order to beget a progeny.
- 14. *Krushangata*: Emaciation of the body/body parts.
- 15. *Agnimandya*: Lack of appetite as a result there is impairment in the process of digestion.
- 16. *Ayathakala Vali-Palita*: It is a condition characterized by premature wrinkling of the skin and as well as graying of hair.

Table 5: Comparison of Sama-Dosha Lakshanas with Rasapradoshaja Lakshanas

Sama Dosha Lakshanas	Rasapradoshaja Lakshanas
Gourava, Alasya, Klama (Sama Kapha)	Gourava, Alasya, Klama and Balabhramsha
Aavil-Tantula-Styana, Durgandhi Kapha, Aruchi (Sama Kapha)	Asraddha-Aruchi, Arasajnata, Asya-vairasya
Nishtiva (Sama Kapha)	Praseka
Agnisadana, Apakti (Sama Kapha)	Agnisadana
Vedana, Nistoda (Sama Vata)	Angamarda
Vibandha, Anila Mudhata, Malasanga (Sama Vata)	Sakrt graham
Shopha (Sama Vata)	Pandutwam

DISCUSSION

Agni plays an important role in maintaining the health. It is responsible for maintaining the Varna (color complexion) as well as the Prabha (luster of the skin), enhancing the Bala (strength), Utsaha (keeping a person enthusiastic), Upachaya (regulating the metabolic activities and thereby nourishing the body) Vyadhikshamatwa (improving the resistance towards diseases), Prana (bringing stability in life). When this Agni gets extinguished then the body is considered to be dead.[27]

Causes for vitiation of *Agni*^[28]:

- a) Ajeerna-ashana (indigestion)
- b) Adhyashana (over-eating)
- c) Vishamashana (irregular eating)
- d) Asatmya-Bhojana (intake of inappropriate food)
- e) *Panchakarma-Vibhramat* (improper use of panchakarma)
- f) Rtu-Vaiparitya (seasonal perversion)
- g) Vega Dharana (suppression of natural urges)

Majority of the diseases are an outcome of malfunctioning of the *Agni*, caused due to the intake of either of the etiological factors mentioned above and as a result there is formation of *Ama*.

Therefore, Understanding the basic relationship between *Ama* and *Agni* is of prime importance in treating any disease. Maintaining a good appetite, ensuring regular *Mala-pravrutti* are of prime impotance in enkindling the *Jatharagni*, which is directly related to *Dhatvagni*. Any impairement in either of them leads to the formation of *Ama* affecting *Rasavaha Srotas* initially which subsequently affects the *Rasa* and other successive *Dhatus*. Therefore, *Agni* has the prime role in regulating the physiological functions of *Dosha-Dhatu-Mala* for the sustenance of the body and thereby the *Ayu*[29].

When compared, *Ama Lakshanas* resemble with the *Lakshanas* of *Rasapradoshaja Vikaras*. *Kapha* being *Asrayee* in *Rasa Dhatu, Vruddhi/Kshaya* of *Kapha* resemble with *Rasapradoshaja Vikaras*. Thus the line of treatment revolves around *Srotoshodhana*, *Pachana*, *Aanideepana* and *Vatanulomana*.

CONCLUSION

Langhana is said to be the line of treatment^[30] such that it results in Agnisthapana because a part of Jatharagni resides in Rasadi Dhatus. Mandya or Atideepana of Agni in the Dhatus will either cause Vruddhi/Kshaya respectively^[31]. Srotoshodhana, Agnideepana and Vatanulomana are the main principles to be achieved in Rasapradoshaja Vikaras.^[32]

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