

International Journal of Ayurveda and Pharma Research

Review Article

BEEJA CHATUSHTAYA - A SPECIAL UNIQUE CONTRIBUTION OF SUSHRUTA SAMHITA

Priyanka Kumari^{1*}, Rohit Ranjan², Vijay Shankar Pandey³

*1PG Scholar, ²Assistant Professor, ³H.O.D. & Professor, Dept. of Samhita Siddhant, Govt. Ayurvedic College and Hospital, Patna, Bihar.

Article info	ABSTRACT	
Article History: Received: 05-09-2023 Revised: 28-09-2023 Accepted: 12-10-2023 KEYWORDS: Beeja Chatushtaya, Sushruta Samhita, Purusha, Kaal, Kriya, Vyadhi.	Beeja Chatushtaya or Chikitsa Chatustaya is an important unique methodology explained by Acharya Sushruta. It is the fundamental principle that establishes the foundation for the Sushruta Samhita. On the basis of this principle, the whole Shusruta Samhita has been developed. Beeja Chatushtaya includes Purusha (individual person), Vyadhi (diseases), Aushadha (medicine) and Kriyakaal (time of administration of treatment). Purusha is believed to be the combination of Panchamahabhuta and Atma. Karma Purusha provides Adhishtana and Ashraya for Vyadhi and Chikitsa. Every type of Shareerika, Manasika, and Agantuja Vedana are included in the Roga, Dukkha, or Vedana. Dukkha Nivrutti can be obtained through administration certain drugs and other procedures are used to implement certain Kriya or Chikitsa principles. In Beeja Chatushtaya Kriya, Swasthanuvartana chikitsa, Snehanadi karma, and Shastradi karma are all mentioned. Snehapana in Prabhatakaal, Swedana jeernaanna Kaal, Vamana in Purvahna, Virechana in Prataha Kaal, Asthapana in Madhyahna Kaal, and Anuvasana in Sayankaal (Pradosha Kaal after meal) are examples of Kaal. Kaal also refers to Avasthika Kaal, such as Langhana in Jwara's samavastha and Ghritapana in Jeerna jwara avastha. In this article, an attempt has been made to analyse the various measures and concepts of Beeja Chatushtaya described in a dispersed manner in Sushruta Samhita, which are collected, compiled and discussed.	

INTRODUCTION

Beeja Chatushtaya is the Sushruta Samhita's special and unique contribution; the entire Sushruta Samhita has been elaborated on the basis of this premise. Thus, in a nutshell, the seed of medicine has been expounded in 120 chapters. As the seed is planted in the ground, it forms roots, stems, branches, and leaves, and expands. The seed of medicine, which extends in parts of Sutra, Nidana, Shareera, Chikitsa, Kalpa, and so on, also bears fruit of health.

बीजं चिकित्सितस्यैतत्समासेन प्रकीर्तितम् | सविंशमध्यायशतमस्य व्याख्या भविष्यति || (सु.सू.1/39)

Beeja Chatushtaya comprises two words '*Beeja*' and '*Chatustaya*', *Beeja* means seed, and *Chatushtaya* means four factors. Following these four factors are very necessary in the treatment of any disease, So



Beeja Chatushtaya also called as *Chikitsa Chatushtaya*. *Purusha, Vyadhi, Aushadha,* and *Kriyakaal* are all components of *Beeja Chatushtaya*.^[1] The entire *Sushruta Samhita* has been developed using the *Beeja Chatushtaya* approach.^[2]

एवं एतत् पुरुषो व्याधिरौषधम् क्रियाकाल इति चतुष्टयं समासेन व्याख्यातम् || (सु. सू.- 1/38)

Beeja Chatushtaya is a fundamentally unique idea used by *Acharya Sushruta*. This concept provides the foundation for *Sushruta Samhita's* structure, which is distributed throughout the *Samhita*.

MATERIALS AND METHODS

This is a review article based on the collection of materials from available sources in Ayurveda.

Review of Literature

Review of individual entities of *Beeja Chatushtaya:*

Concept of Purusha

Purusha is the chief *Tatwa* in *Beeja Chatushtaya*.

तत्र पुरुषग्रहणात् तत्संभवद्रव्यसमूहो भूतादिरुत्तस्तदङ्गप्रत्यङ्गविकल्पाश्च त्वझ्मांसास्थिसिरास्नायुप्रभृतयः| (सु.सू. -1/38) *Purusha* is meant the originating material and five *Mahabhutas* and also *Anga-pratyanga* of the same like *Twak, Mamsa, Rakta, Sira, Snayu* etc.^[3]

According to Dalhana Tika -

- *Tatsambhava dravya* Refers to materials for origin of person.
- *Bhutadi* Refers to beginning with *Bhutas (Shukra, Shonit* and *Panchamahabhuta)*
- *Anga* Refers to heads, hands, legs, neck etc.
- *Pratyanga* Refers to chin, thigh region, gluteal region, tonsils etc.
- Vikalpa Refers to Twacha, Maans, Asthi, Shira, Snayu etc.
- *Prabhrutayah* Refers to covers channels, *Dhamnis* etc.

Nirukti of Purusha

The term *Purusha* is constitutes with "*Pur Agragamane*" *Dhatu* with "*Kushan*" *pratyaya*. Here *Purusha* means that which resides in the physical body is called *Purusha*. Also, *Prusha* is called *Atma* and *Kshetragna*. Supreme self, pure consciousness, inactive (*Nishkriye*), indestructible, A passive witness (*Sakshi*) etc. An aggregate of soul, senses, psyche and senses of objects can be considered as *Purusha* in general.^[4]

Types of Purusha: Eka Dhatuja Purusha, Shad Dhatuja Purusha, Rashi Purusha (Chaturvimshati Purusha), Panchavimshatika Purusha, Chikitsya Purusha, Adhikarana Purusha, Karma Purusha, Avyakta Purusha, Paramatma Purusha, Karana Purusha, Linga Purusha.

Chikitsya Purusha and Karma Purusha पञ्चमहाभूतशरीररसमवायःपुरुषः इतत; स एष कर्मपुरुषश्चिकित्साधिकृतः|| (Su.Sha-1/16)

The Purusha that consists of six components (Dhatus), namely five Mahabhutas and Atma, has been known as *Chikitsva Purusha* and *Karma Purusha*^[5]. It is thus because neither treatment is feasible for a soulless body nor treatment is performed to purely the soul. Thus, the Shaddhatuja Purusha is the subject of therapy. Individual administration must be prepared because it frequently changes in each individual due to constitution variations. Purusha is the most significant entity; it is composed of Sambhavadravya such as Shukra, Shonita and Panchamahabhuta for the creation of a person. The accurate composition of a person's originating elements, such as Shukra and Artava, of which *Bhutas* are the fundamental cause. Another way to look at *Bhutadi* is to think of it as beginning with the unmanifest and ending with karma Purusha, the person who is the substratum of all treatment. Purusha is described as the outcome of the union of the soul and the five fundamental material principles that govern all medical activities such as surgery administration of medical remedies and perform

Kshara substance or Aganikrama. Loka is composed of Sthavara and Jangamadravya, with each Dravya subdivided into Agneya and Soumya. As a result, the world is made up of five material principals that are distinguished by the dual virtues Agneya and Soumya. Purusha is both the disease's substratum and the Chikitsa (therapeutic) measure. As a result, the Purusha is the primary method and the others are secondary. Panchatmakapanchabhoutikabhutajaramah refers to four categories of mobile living organisms. The living creature is the most important of them, followed by its supporting means such as food and medications.

According to *Lok Purusha Samaya Siddhanta-Purusha* equates to Universe. All the factors that are sustain in Universe exists in *Purusha* and vice versa.

Concept of Aushadha

औषधग्रहणाद्वव्यरसगुणवीर्यविपाकानामादेश¦ | (सु.सू.-1/38)

Aushadha refers to – Dravya, Rasa, Guna, Virya and Vipaka. According to Acharya Dalhana- In the context of medicine, the meaning of Dravya should be taken as- Sthavaradi, Madhuradi Guna of Rasa, Guruadi of Guna, Shitadi Guna of Virya, Guru-Laghu aadi of Vipaka.

The term Aushadha means the things which are prepared from the drugs for the cure of the disease. Drugs are those used by physicians to reestablish Dhatus equilibrium. They are utilized as instruments by the subject and include factors other than Karyayoni (source of action), *Pravritti* (initiation), *Desha* (habitat), Kaal (time), and Upaya (means of action). Drugs with opposing qualities are capable of eliminating disorders in the former when administered considering for location, dose. and time of administration.^[6] Proper dose is the dose which does not harm, Desha and Kaal includes several relevant factors and taking dose as well as Bheshaja all the ten factors they are like Dosha, Bheshaja, Desha, Kaal, Bala, Shareera, Satmya, Sattva, Prakriti and Vaya to be examined.^[7] Thus, the application of *Aushadha* in proper manner successfully prevents and alleviates the diseases. Aahar is said to be Mahabhaisajya (the supreme medicine) by Kashyapacarya [8], hence no medicament like diet is available. Dravya is defined as a substance possessing properties and actions. The term Dravya includes all the objects of the universe. The Dravva has been used in a limited sense to denote drugs (medicinal substances). These substances are in turn the drugs (medicinal herbs)/medicines. These (medicines) are of two kinds i.e., Sthavara (immobile, plant kingdom) and Jangama (mobile, animal kingdom).

Concept of Vyadhi

vi +aadhi = Vyadhi; vi = vividh dukh, aadhi = dena तद्दु:खसंयोगा व्याधय उच्यन्ते | (सु.सू.1/23)

>

Manifestation of discomfort to the body is called *Vyadhi*.

विविधं दुःखमाद्धतीति व्याधयः। (सु.सू.1/23)

Those who give various sorrows are called diseases. *Dukha* may pertain to body, speech and mind. *Vyadhi* is defined as the conjugation of living being with pain.

Vyadhi in Beeja Chatushtaya व्याधिग्रहणाद्वातपित्तकफशोणितसन्निपातवैषम्यनिमित्ताःसर्वएव

व्याधयो व्याख्याताः | (Su. Su. 1/38)

Here, *Vyadhi* taken as- All the disorders caused by the imbalance of *Vata, Pita, Kapha, Rakta* and *Sannipataja doshas*. Disease is a state of disequilibrium of the *Doshas, Agni, Malas* and the *Indriyas* are not functioning normally and the mind is disturbed.

According to Acharya Sushruta – Four types of Vyadhi: ते चतुर्विधाः- आगन्तवः, शारीराः, मानसाः, स्वाभाविकाश्चेति।। (Su. Su. 1/24)

The disease due to an exogenous blow or hurt called *Agantuja Vyadhi*. Disease due to irregular *Ahara* or *Vihara* or incidental to deranged state of the *Sharika Dhatu* acting *Ekdhoshaja*, *Sannipataja* called as *Shareerika Vyadhi*. Excessive anger, sorrow, fear, exhilaration, depression, jealously, anxiety etc, caused by different forms of desire and aversion called as *Mansika Vyadhi*. Whereas hunger, thirst, senility, death, sleep and those caused by constitution called as *Swabhavika Vyadhi*.

Vyadhi Adhishtana

Seats of diseases - *Manas* (mind) and *Sharira* (body) are the seats of these (diseases). (All these four kinds of diseases have their origin from mind or body or both. Therefore, the mind and body are the seats of diseases) ^[9].

Vyadhi Nigraha

Control of diseases - These diseases can be controlled (prevented or cured) by proper administration of *Samsodana* (purificatory therapies), Samsamana (palliative therapies). Ahara (administration of wholesome foods) and Achara (administration of wholesome activities and practices). These methods shall be planned properly and administered in accordance to the habitat, time or season, age, dose etc.^[10]

Concept of Kriyakaal

Kriyakaal is made up of two terms: *Kriya* and *Kaal*, where *Kriya* means action and *Kaal* means time. Therefore, the literal meaning of the word *Kriyakaal* is the appropriate time for treatment.

क्रियाग्रहणात् स्नेहादीनि च्छेद्यादीनि च कर्माणि व्याख्यानि,कालग्रह णात् सर्वक्रियाकालानामादेशः|| (सु.सू.1/३८)

Here, *"Kriya"* means all applications, functions and all operations (excision etc.) and *"Kaal"* indicates the timing of all the medical and surgical operations.

Acharya Dalhana quotes that -

- *Kriya* Refers to *Swasthanuvartana Chikitsa, Antarashraya, Bahirashraya* and *Shastradi Karma.* Here, *Adi* after *Snehanadi* includes *Swedana, Vamana, Virechana, Asthapana, Anuvasana, Dhooma, Nasya, Kavalagraha, Gandusha, Pachana, Samsamana* and similarly *Adi* in *Chedya* includes *Bhedya, Lekhya, Eshya, Aharya, Visravya, Seevya.*^[11]
- *Kaal* Refers to the administration of procedure at proper time like *Snehan, Swedana, Vamana, Virechana adi karma* and *Shastras adi karmas*.^[12]

Kriyakaal in Ayurveda

- ➤ Karma or Chikitsa performed at the appropriate stage of the disease will act faster than Chikitsa performed at an inappropriate stage of the disease, for example, Rasayana therapy will act more effectively at the early age and young age incorporation to the old age. An appropriate time to do a particular action or Karma is indicated by the word Kaal.
- Without beginning, middle and end, self-generated is called *Kaal*. The origin, spread (deterioration) of *Rasa*, growth and life and death are all subject to the time of human beings. That time is not stable in the subtle part; hence it is called *Kaal* or it only destroys the living beings and gives happiness and sorrow to the living beings.^[13]
 - *Kaal* has been described as a factor which has neither a start nor an end. *Kaal* is also known as Parinam. Each and everything of this universe or cosmos, undergoes changes. *Kaal* is stated as *Eka Nitya* for the usage it is divided into past present and future. Further it is divided into *Kshana*, *Nimesha*, *Dina*, *Masa*, *Ritu*, *Ayana*, *Varsha* etc. this division is due to movement of the sun.^[14]
- "Kaal" indicates the timing of all the medical and surgical operations such as administration of unction in early morning when the sun is rising, all sudation after food is digested (on empty stomach), emesis in forenoon, purgation in morning which means the first three *Muhurtas* of the day, nonunctuous enema in noon in the third *Prahara*, unctuous enema in evening, also when patient is seated after taking meal etc.
- In seasons during which the nights are very long (Hemanta and Sisira). Persons should partake food in the morning itself, such food being predominant in qualities opposite of the qualities of the season; in season; in seasons in which the days are very long (Grisma and Pravritt- summer and early rainy seasons respectively), food suitable to the season should be partaken in the afternoon; in seasons in which both day and night are equal (Sarada and Vasanta- autumn and spring seasons respectively)

food should be partaken at the middle, dividing the day and night equally.

- *Ritu Kriyakaal* describes daily changes in seasons, including *Doshas*, through the cycle of *Ritu*. Proper seasonal regimens, including *Chaya*, *Prakopa*, and *Shamana*, do not cause severe distress to the body. *Ritu Shodhana* is necessary to help the body adjust to natural seasonal conditions and avoid abnormalities.
- Kriyakaal denotes the process and stage of disease progression. It refers to the proper detection of illness phases and the use of Aushadha, Ahara, and Charya (medication, food, and activities) preventative and therapeutic methods. When we overlook our health, the sickness process (Samprapti) begins. This implies that instead of three phases, six distinct stages are formed, and a disease called as Roga develops. Kriyakaal refers to the moment of therapy or interception during the illness manifestation phase.
- Shad avastha Kaal [15] six observatory aspects of time i.e., Dina, Rogi, Aushadha, Vyadhi, Jeerna Rakshana, Ritu. While treating a disease success can be achieved only when there is proper combination of Desha, Kaal (time), Pramana (Doses), Desha Satmya, Desha Asatmya, Pathya, Apathya. Among these seven most important factors, Kaal acquires 2nd position which reflects importance of Kaal in Chikitsa.
- Shatkriyakaal is the process of understanding the pathogenesis of diseases in consecutive stages and also known as Vyadhi Kriyakaal.^[16]
 - It helps in early recognition of the stage of progress of disease and its treatment.
 - A clear view about *Kriyakaal* is necessary for diagnosis.
 - Prognosis and adopting preventive and curative measures.
 - The knowledge of *Shatkriyakaal* is helpful for knowing the *Sadhya-asadhyata* of disease and also plays important role in treatment.
- Aushadha Kaal– Abhakta, Pragbhakta, Madhyabhakta, Pashchatbhakta, Sayampashchat, Muhurmuhu, Samudga, Sabhakta, Grasa, Grasantara.^[17]
- Appropriate Kaal (Time) for Panchakarma: Kaal refers to a proper time of taking of -
 - Snehapana in Prabhata Kaal,
 - Snehana Jeernana Kaal in Prataha Kaal,
 - Vamana in Purvahana,
 - Virechana in Prataha Kaal,
 - *Basti* or enemas (for *Vata*) are given in the morning, when person starts experiencing hunger on an empty stomach.

- *Nasya karma*: In *Kapha dosha* morning time, In *Pita dosha* – late morning or afternoon, in *Vata dosha* – evening time
- Appropriate Kaal (time) for giving Rasayana: It is determined by Prakriti, aggravated Dosha and season.
 - For of *Kapha* problem– *Pippali, Punarnava, Chyavanprash* is given to mid-morning (during winter or spring).
 - For *Pita* disorder *Shatavari, Guduchi, Amalki* given before noon (especially in summer).
 - For *Vata* disorder *Dashamula, Ashwagandha* and *Vidari* given during down to dusk.

DISCUSSION

Here is proper comprehension of *Beeja Chatushtaya*. Each have their own role in *Chikitsa* and interdependent as *Purusha* is the *Adhishtana* of *Vyadhi* to cure that *Vyadhi Aushadha* is needed with respect time of administration. Whole *Sushruta Samhita* has been elaborated on the base of *Beeja Chatushtaya* principle and each and every *Sthana* showing the scattered *Beeja Chatushtaya*.

Application of Beeja Chatushtaya

The action of putting something into operation or implementation, according to the dictionary. In this case, *Beeja* is an analogy in the *Beeja chatustaya*, which is used as an overview of the whole *Sushruta Samhita*. With adding of *Beeja* grew into *Mula* (cause), *Kanda* (stabilisation), and *Patra* (nutrition), *Shakha* (connectivity) is used to both *Purusha*, *Vyadhi*, *Aushadha*, and *Kriyakaal*, and its practical value in study, teaching, and therapy is widely established.

CONCLUSION

Whole *Sushrut Samhita* has been elaborated on the base of *Beeja Chatushtaya* principle and each and every *Sthana* showing the scattered *Beeja Chatushtaya*. By applying the *Beeja Chatushtaya* one can decrease the prevalence rate and increase the expected out come from the treatment. We can apply its practical utility in - Research, Teaching, Treatment can be known or also very well. Using the *Beeja Chatushtaya* principle when diagnosing, arranging the treatment method, and administering appropriate medicine at the appropriate moment in illness state can result in treatment success.

REFERENCES

- Dr.Keval Krishna Thakral; Sushruta Samhita of Maharsi Sushruta (Shri Dalhanacharya evam Shri Gayadas virasita vistrita Hindi vakhya), Vol- 3, Varanasi; Chaukhamba Sanskrit Sansthan, 2017; Sutrasthana 1/38, page no. 9.
- 2. Vaidya Yadavji Trikamji Acharya and Narayan Ram Acharya; Sushruta Samhita with Nibandha Sangraha

commentary, Vol-1, Varanasi; Chaukhamba Sanskrit Sansthan, 2015; Sutra Sthana 1/39, page no.9

- 3. Vaidya Yadavji Trikamji acharya and Narayan Ram Acharya, Sushruta Samhita with Nibandha Sangraha commentary, Dalhana commentator, Chaukhambha Sanskrit Sansthana, 2009; Varanasi, Sutra Sthana 1/38; page: 9
- 4. Acharya Yadavji Trikamji, Charaka Samhita of Agnivesh, Chakrapani Datta's Ayurveda Dipika Commentary, publisher- Chaukhamba Orientalia, Varanasi, 2011; Sutra Sthana 25/4
- 5. Vaidya Yadavji Trikamji acharya and Narayan Ram Acharya, Sushruta Samhita with Nibandha Sangraha commentary, Dalhana commentator, Chaukhambha Sanskrit Sansthana, Varanasi, 2009; Sushruta Shareera 1/16
- 6. Vaidya Yadavji Trikamji acharya, editor, Charaka Samhita of acharya Agnivesha, Chakrapani Datta commentator, Chaukhambha, Sanskrit Sansthana, Varanasi, 2009; Sutra stana-1/63 page: 18
- Vaidya Yadavji Trikamji acharya, editor, Charaka Samhita of Acharya Agnivesha, Chakrapani Datta commentator, Chaukhambha, Sanskrit Sansthana, Varanasi, 2009; Sutra stana-1/63 page: 18
- 8. Kashyapa Samhita by Vridha Jivaka, 10th edition Shri Satyapal Bishaghacharya, editor. Chaukhamba Sanskrit Sansthana; Varanasi, 2005; Khilsthana Adhyaya 4/ 5.
- 9. Vaidya Yadavji Trikamji acharya and Narayan Ram Acharya, Sushruta Samhita with Nibandha Sangraha commentary, Dalhana commentator, Chaukhambha Sanskrit Sansthana, Varanasi, 2009; Sushruta Shareera 1/26
- 10. Vaidya Yadavji Trikamji acharya and Narayan Ram Acharya, Sushruta Samhita with Nibandha Sangraha commentary, Dalhana commentator, Chaukhambha

Cite this article as:

Priyanka Kumari, Rohit Ranjan. Vijay Shankar Pandey. Beeja Chatushtaya - A Special Unique Contribution of Sushruta Samhita. International Journal of Ayurveda and Pharma Research. 2023;11(Suppl 4):28-32.

https://doi.org/10.47070/ijapr.v11iSuppl4.2874 Source of support: Nil, Conflict of interest: None Declared

Sanskrit Sansthana, Varanasi, 2009; Sushruta Shareera 1/27

- 11. Sushruta; Sushruta Samhita; with Nibandha Sangraha commentary of Sri Dalhanacharya, edited by Yadavji Trikumji Acharya; Chaukhamba Surabharati Prakashana Varanasi; reprint 1994; Sutra Sthana 1/38; pp 9.
- 12. Sushruta; Sushruta Samhita; with Nibandha Sangraha commentary of Sri Dalhanacharya, edited by Yadavji Trikumji Acharya; Chaukhamba Surabharati Prakashana Varanasi; reprint 1994; Sutra Sthana 1/38; pp 9.
- Sushruta; Sushruta Samhita; with Nibandha Sangraha commentary of Sri Dalhanacharya, edited by Yadavji Trikumji Acharya; Chaukhamba Surabharati Prakashana Varanasi; reprint 1994; Sutra Sthana 6/3; pp 61.
- 14. Sushruta; Sushruta Samhita; with Nibandha Sangraha commentary of Sri Dalhanacharya, edited by Yadavji Trikumji Acharya; Chaukhamba Surabharati Prakashana Varanasi; reprint 1994; Sutra Sthana 6/4; pp 62.
- 15. Vaidya Yadavji Trikamji Acharya (editor) Sushruta, Sushruta Samhita, Varanasi Chaukhamba Surabharati Prakashana Reprint 2017 Chikitsa Sthana 30/296.
- 16. Sushruta; Sushruta Samhita; with Nibandha Sangraha commentary of Sri Dalhanacharya, edited by Yadavji Trikumji Acharya; Chaukhamba Surabharati Prakashana Varanasi; reprint 1994; Sutra Sthana 21/36
- 17. Vaidya Yadavji Trikamji Acharya (editor) Sushruta, Sushruta Samhita, Varanasi Chaukhamba Surabharati Prakashana Reprint 2017 Chikitsa Sthana 30/301, P5.

*Address for correspondence Dr. Priyanka Kumari PG Scholar, Dept. of Ayurved Samhita evam Siddhant, Govt. Ayurvedic College and Hospital, Patna. Email: priya88kumari776@gmail.com

Disclaimer: IJAPR is solely owned by Mahadev Publications - dedicated to publish quality research, while every effort has been taken to verify the accuracy of the content published in our Journal. IJAPR cannot accept any responsibility or liability for the articles content which are published. The views expressed in articles by our contributing authors are not necessarily those of IJAPR editor or editorial board members.