



# International Journal of Indian Medicine

[www.ijim.co.in](http://www.ijim.co.in)

**ISSN: 2582-7634**

**Volume - 5, Issue - 10**

**Oct 2024**



# IJIM

INDEXED



# International Journal of Indian Medicine



International Category Code (ICC): ICC-1702

International Journal Address (IJA): IJA.ZONE/258276217634

## AN OVERVIEW OF PRAKRUTI AND DHATUSARTA: A SCIENTIFIC AND AYURVEDIC PERSPECTIVE

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### ABSTRACT:

Prakruti and Dhatusarta are foundational concepts in Ayurveda, offering a holistic framework for understanding an individual's health and well-being. Prakruti refers to the inherent constitution of an individual, determined by the unique balance of the three doshas — Vata, Pitta, and Kapha — which shape both physical and mental characteristics. Dhatusarta, on the other hand, refers to the quality and functional essence of the body's seven tissues (Dhatu), which play a crucial role in maintaining overall health. This article explores the significance of Prakruti and Dhatusarta from both Ayurvedic and scientific perspectives, highlighting their clinical importance in diagnosis, treatment, and personalized healthcare. By understanding these concepts, healthcare practitioners can offer more individualized and effective treatments, promoting the balance and vitality of both mind and body. Additionally, integrating Ayurvedic wisdom with modern medicine holds the potential for advancing personalized medicine and improving patient outcomes.

**KEYWORDS:** Prakruti, Dhatusarta, Body Constitution, Ayurvedic Medicine, Personalized Medicine, Clinical Significance, Tissue Quality, Holistic Health, Ayurvedic Diagnosis, etc....

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**How to cite this article:** Pathak A., Airi K. An Overview of Prakruti and Dhatusarta: A Scientific and Ayurvedic Perspective. Int J Ind Med 2024;5(10):06-10 DOI: <http://doi.org/10.55552/IJIM.2024.51002>

## INTRODUCTION:

In both Ayurvedic and modern medical paradigms, understanding the unique constitution and the intrinsic qualities of an individual is essential for promoting holistic health and well-being. One of the central concepts in Ayurveda that reflects this is **Prakruti**, the inherent biological constitution that influences physical and mental health. In Ayurvedic terminology, Prakruti is the unique combination of three doshas — **Vata**, **Pitta**, and **Kapha** — which govern the physiological and psychological attributes of the body. Complementing this is the concept of **Dhatuarta**, which refers to the quality or the functional essence of the body's tissues (Dhatu) and is directly related to the balance of the doshas and the vitality of the individual. Together, Prakruti and Dhatuarta provide a comprehensive framework for understanding health, disease, and treatment.

This article presents an in-depth exploration of Prakruti and Dhatuarta, examining their significance from both Ayurvedic and modern scientific perspectives, and their implications in clinical practice.

## REVIEW OF LITERATURE:

**Prakruti:** The concept of Prakruti is foundational in Ayurveda. It is derived from the balance of the three doshas at the time of conception, influenced by the elements — earth, water, fire, air, and ether. Prakruti is unique to each individual and governs both physical and mental traits. According to *Charaka Samhita*, one of the main texts of Ayurveda, an individual's Prakruti is shaped by hereditary factors and prenatal influences, and it remains relatively stable throughout life. Vata, Pitta, and Kapha govern the functioning of the body's systems, and each individual has a predominant dosha that defines their Prakruti.

**Dhatuarta:** Dhatus are the seven bodily tissues (Rasa, Rakta, Mamsa, Meda, Asthi, Majja, and Shukra) that support the physical structure and function of the body.

**Dhatuarta** refers to the qualitative essence of these tissues, which directly impacts their strength, vitality, and functionality. According to Ayurvedic texts, the **Sarta** of each tissue is influenced by the individual's diet, lifestyle, environment, and, importantly, their Prakruti. Ayurvedic literature such as the *Sushruta Samhita* discusses the role of Dhatuarta in maintaining overall health and how it can be modified through proper diet, detoxification (Panchakarma), and herbal remedies.

## PRAKRUTI

Prakruti is an Ayurvedic concept that goes beyond the mere physical traits of an individual. It encompasses the individual's **mind-body constitution** that influences both health and disease. There are three primary types of Prakruti, each representing a specific dominance of the three doshas:

- **Vata Prakruti:** Characterized by qualities of dryness, coldness, lightness, and movement. Individuals with Vata Prakruti are usually slim, quick in thought and movement, and tend to experience irregular digestion and tendencies toward anxiety or restlessness.
- **Pitta Prakruti:** Marked by qualities of heat, sharpness, and intensity. Individuals with Pitta Prakruti tend to have medium builds, are passionate, strong, and assertive, but may also be prone to inflammation, irritability, and digestive issues.
- **Kapha Prakruti:** Defined by qualities of heaviness, coolness, stability, and fluidity. People with Kapha Prakruti tend to be larger, calm, grounded, and patient but are also more susceptible to weight gain, respiratory conditions, and lethargy.

In Ayurveda, determining an individual's Prakruti is critical for personalized treatment. It guides dietary choices, exercise regimens, and even mental health strategies.

### SARTA

Sarta refers to the **functional essence or quality** of the body's tissues. In Ayurveda, it is believed that the body's tissues (Dhatu) are the building blocks of health, and their vitality or "Sarta" reflects the health of the individual as a whole. There are seven primary Dhatus:

1. **Rasa** (Plasma)
2. **Rakta** (Blood)
3. **Mamsa** (Muscle)
4. **Meda** (Fat)
5. **Asthi** (Bone)
6. **Majja** (Bone marrow and nerve tissue)
7. **Shukra** (Reproductive tissue)

Each Dhatu has its own specific **Sarta**, which is shaped by the proper balance of nutrients, digestion, and the individual's Prakruti. Sarta reflects the strength and functional capacity of each tissue. For example, a person with a predominance of Vata may have dry skin (Rasa) and brittle bones (Asthi), while a Pitta-dominant person might have strong digestion but may experience rapid tissue breakdown due to inflammation.

### IMPORTANCE:

The importance of understanding **Prakruti** and **DhatuSarta** lies in their ability to guide individualized treatment. In Ayurveda, maintaining balance between Prakruti and DhatuSarta is key to preventing disease and achieving longevity. The condition of the tissues is influenced by factors such as diet, lifestyle, sleep, and emotional well-being. An imbalance in the **Sarta** of any tissue leads to disease manifestation. For instance, **Sarta** imbalances in the blood (Rakta Dhatu) may lead to conditions like anemia, while a

deficiency in muscle (Mamsa Dhatu) can result in weakness and fatigue. From a scientific perspective, Prakruti can be linked to genetic and metabolic factors that predispose individuals to certain conditions. Modern medicine has begun to explore personalized medicine, which resonates with the Ayurvedic approach of considering the unique constitution of each individual.

### CLINICAL SIGNIFICANCE:

In clinical practice, understanding Prakruti and DhatuSarta can enhance diagnostic precision and the development of effective treatment plans. Practitioners can determine a person's **Prakruti** through detailed observation and history-taking, including physical traits, emotional tendencies, and overall lifestyle. **Treatment plans** are then personalized, focusing on lifestyle changes, herbal supplements, and dietary modifications that align with the individual's Prakruti and the health of their Dhatus. The clinical significance extends to the management of chronic diseases, where imbalances in Prakruti and DhatuSarta play a key role. For example, conditions such as rheumatoid arthritis (Pitta imbalance) or asthma (Vata imbalance) can be better managed by correcting these underlying imbalances rather than simply addressing symptoms.

### DISCUSSION:

The interrelationship between **Prakruti** and **DhatuSarta** highlights the holistic approach that Ayurveda offers to health and disease. Modern science, with its focus on genomics, microbiome research, and personalized medicine, has the potential to corroborate many Ayurvedic principles regarding individual variability and the balance of bodily functions. While Ayurveda takes a system-based and preventive approach to health, modern medicine has increasingly

acknowledged the importance of individualized care.

However, challenges remain in aligning these two paradigms due to differences in their conceptual frameworks and methodologies. Integrating Ayurvedic concepts such as Prakruti and Dhatusarta into clinical practice requires more research to bridge these traditional practices with evidence-based modern medicine.

### CONCLUSION:

An understanding of **Prakruti** and **Dhatusarta** offers a comprehensive approach to health and disease. Ayurvedic principles provide valuable insights into personalized medicine, emphasizing the uniqueness of each individual. While there is growing interest in integrating Ayurveda with modern medical practices, much work remains to explore and validate these concepts scientifically. In clinical settings, both Ayurvedic and modern medical professionals can benefit from acknowledging the importance of Prakruti and Dhatusarta in personalized health care, ultimately leading to more effective and sustainable health outcomes.

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**Source of Support: None declared**

**Conflict of interest: Nil**

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