



#### **REVIEW ARTICLE**

# A Review on Concept of *Prakriti* and its Importance in Ayurveda

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#### **ABSTRACT**

Prakriti is a unique concept in Ayurveda to understand the nature and severity of disease, reaction of body to the drugs (pharmacogenomics), selection of drugs and their doses, prognosis of the disease and prophylactic concept such as diet, diurnal and seasonal regimes. Prakriti also determines the response of an individual to environmental factors, drugs and susceptibility to diseases making it one of the earliest known concepts of predictive, preventive and personalized or genomic medicine. So prakritiemphasizes on the individuality and plays a unique role in diagnosis, preventive medicine, and therapeutics. *Prakriti* is an important concept of Ayurvedathat explains uniqueness at individual level. It expresses an individual's unique trait, which is defined by the specific and permanent composition of dosha from birth. Because prakriti makes each person unique, no two people can be exactly alike. Depending on one's prakriti, anatomical, physiological, and psychological characteristics differ from one person to the next. Each person's prakriti remains constant throughout his or her lifetime. Though all three doshas (vata, pitta, kapha) inhere in every human being one is dominant based on which an individual's prakriti is determined. Because prakriti underpins a person's susceptibility to disease as well as their responsiveness to therapy, it is critical in Ayurvedic medicine to determine a patient's prakriti before beginning treatment. The notion of prakriti is said to be beneficial in forecasting an individual's vulnerability to a certain ailment, as well as the prognosis and treatment options for that condition. In this review article we will explore more about *prakriti* and its importance in *Ayurveda*.

Key Words Prakriti, Tridosha, Dosha, Ayurveda

# Received 26<sup>th</sup> August 21 Accepted 25<sup>th</sup> October 21 Published 10<sup>th</sup> November 2021

#### INTRODUCTION

Ayurveda, the Indian traditional system of medicine describes a unique concept "prakriti". Ayurveda considers panchamahabhuta (aakash, vayu, teja, jala and prithvi) to be the basic constituents of this physical universe including the human

body. These *mahabhuta* manifests into *tridoṣha* (*vata*, *pitta* and *kapha*). Despite the fact that all three doshas exist in every human being, one is dominant and determines an individual's *prakriti*. They are discreet phenotypes and they are determined on the basis of physical,

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psychological, physiological and behavioral traits, and independent of social, ethnic and geographical variables. *Prakriti* of human being depends on genetic and acquired factors. The genetic constitution depends upon *shukra* (sperm) and *shonita* (ovum), while acquired constitution depends on environmental factors like age, race, heredity, climate, season, and region.

#### Prakriti formation of an individual:

According to Acharya Charaka pancamaha bhutaand chetana (soul) unite to form purusha and the nature of this sharirais known as prakriti<sup>1</sup>. According to Acharya Sushruta, formation of prakriti takes place by the condition of tridosha at the time of union of shukradhatu (sperm) and shonhita (ovum) in the garbhashaya (womb) of mother. Predominance of any one, two, or all the three dosha (body humors- vata, *kapha*) determines pitta and the characteristics features of the future child as ekadoshajaprakriti (vataja, pittaja and kaphaja), dvandvaja (vata-pitta, vatakapha, kapha-pitta), and samamishra (vata,pitta and kapha in equal proportions)<sup>2</sup>.

# Factors affecting formation of *Prakriti*<sup>3</sup>

Factors which play direct or indirect role in the formation of *Prakriti*are as-

- 1. Garbhakalaja Bhava (Antenatal)
- 2. Shukra Shonita Prakriti (Characters of Sperm-ovum)

- 3. *KalaGarbhashaya Prakriti* (Time of intercourse, fertilization and Age /nature of uterus)
- 4. *Maturaharavihara Prakriti* (Influence of mother's diet/behavior)
- 5.Mahabhutavikara Prakriti (Influence of akash, vayu, teja, jala&prithvi)
- 6. *Jatiprasaktadi Bhava*<sup>4</sup> (Postnatal)
- 7. Jatiprasakta Bhava(Caste/Racial effect)
- 8.Pratyatmaniyata

Prakriti(Self/Idiosyncracy)

- 9. Kulprasakta Bhava (Familial)
- 10. Vayoanupatini Prakriti (Age effect)
- 11. Deshanupatini Prakriti (Demographic effect)
- 12. Kalanupatini Prakriti(Seasonal effect)

#### Types of Prakriti

- **A.** SharirikaPrakriti<sup>5</sup>(Physical constitution)
- 1. Vata
- 2. Pitta
- 3. Kapha
- 4. Vata-Pitta
- 5. Vata-Kapha
- 6. Pitta-Kapha
- 7. Vata -Pitta-Kapha
- **B.** *Manasa Prakriti*<sup>6</sup>(Psychological constitution)
- 1. Sattvika
- 2. Rajasika
- 3. Tamasika
- 4. Sattva-Rajasika
- 5. Sattva-Tamasika





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## 6. Rajas-Tamasika

# 7. SamagunaPrakriti

 Table 1 Features of VataPrakriti

## Characteristics of SharirikaPrakriti<sup>7</sup>

Attributes	Manifestations	
Ruksha (Dry)	Unctuousness, emaciation, and Body dwarfism; long drawn, dry, low broken, blocked, and harsh voice; incessant waking.	
Laghu (Light)	Light and inconsistent gait, action, food and movement.	
Chala (Mobile)	Unstable joints, eyes, eyebrows, jaws, lips, tongue, head, shoulder, hands and legs	
Bahu (Abundance)	Talkativeness, abundance in tendons and veins	
Shighra (Swift)	Hasty in beginning acts, becoming agitated, and the onset of pathological symptoms, quick in fear, loves and dislikes, and comprehending and forgetting things.	
Shita (Cold)	Intolerance for cold things; often suffering with cold, shivering, and stiffness.	
Parusha (Rough)	Acrimony in the hair of the head, face and other parts of the body; nails, teeth, face, hands, and feet.	
Viashada (Non-Slime)	Cracking of limbs and organs, production of cracking sound in joints when they move.	
These persons are end	owed with lesser quantity of strength, span of life, reproduction, accessories of life and wealth.	

Table 2 Features of PittaPrakriti

Attributes	Manifestations
Ushna (Hot)	Intolerant to heat, having hot face, delicate and fair organs, plenty of wine mark freckles, black moles, excessive hunger and thirst; quick advent of wrinkles;
	graying of hair and baldness, presence of some soft and brown hair on the face,
	head, and other parts of the body.
Tikshana (Sharp)	Sharp prowess, intense digestive power, intake of food and drink in large
_	quantity; lack of endurance and glutton habits.
Drava (Liquid)	Lax and soft joints and muscles; excessive excretion of sweat, urine and feces.
Visra (Foul smell)	Foetidsmell of axilla, mouth, head and body in excess.
Amla/Katu (Pungent/Bitter)	Little semen, sexual act and few progeny.

These persons are endowed with moderate strength, moderate span of life, moderate spiritual and materialistic knowledge, wealth and the accessories of life.

#### 4. Features of DvandvajaPrakriti-

The two *doṣha Prakriti* are characterized by the combination of the manifestation of respective *dosha*.

#### 5. Features of Sama Prakriti-

Samadhatu Prakriti is characterized by combination of the manifestation of all the doshain accompaniment of equilibrium. These persons are endowed with the qualities of all the three single doshaprakriti.

## Importance of Prakriti-

1) **Promotion of Health:** Ayurveda encourages a person to take foods & indulge in those activities which are opposite to his/her

*prakriti* to live a healthy life style. The rejuvenative therapies like *rasayana* and *vajikaranha* benefit most when they are administered according to one's *prakriti*.

- 2) Agni-status of individual: Acharya Charakahas mentioned four types of agni (Digestive fire) according to one's prakriti<sup>8</sup>.
- *Vişmagni* (Disturbed) in *VataPrakriti*
- Tikshṇagni (Increased) in Pitta Prakriti
- Mandagni (Decreased) in KaphaPrakriti
- Samagni (Normal) in SamadoshaPrakriti
- 3) **Determination the** *Bala* (Strength) –The comparative strength of different individuals can be decided by the type of *prakriti*. The November 10<sup>th</sup> 2021Volume 15, Issue 3 **Page 11**





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*kaphaprakṛti* persons are stronger than *pitta* and *vataprakriti* persons. Determination of strength is important while treating a person.

4) **Susceptibility** to disease/Predictive medicine: Each prakriti type is prone to specific diseases. Prakriti determines person's susceptibility to dosha-related illnesses. For example, kaphaprakriti persons are more prone to kaphajavikara like agnimandhya, pratishyaya, medoroga, prameha etc. similarly vataprakriti persons are more susceptible to gulma, atopa, sandhigata-vataetc and pittajaprakriti persons are more prone to diseases like amlapitta, pandu, kamla, raktapitta etc<sup>9</sup>. The various observations show that there is more susceptibility of vataprakriti individuals to anxiety neurosis, thyrotoxicosis and tuberculosis, pittaprakriti individuals to hypertension, peptic bronchial asthma and rheumatoid arthritis and kaphaprakriti individuals to diabetes mellitus, obesity, hypertension and ischemic diseases<sup>10</sup>.

Vataja, pittaja and kaphaja diseases are a little difficult to treat in persons belonging to vata, pitta and kaphaprakriti respectively. In view of this fact, the different diseases to which an individual is predisposed can be predicted timely and may be prevented or postponed by appropriate diet, drugs or regimen.

5) **Diagnosis of diseases:** Dashvidhapariksha has been mentioned by AcharyaCharaka while diagnosing the strength of the diseased person. Prakriti analysis is first one to be done while examining a patient.

- 6) **Prognosis of diseases:** If the causative *dosha* of an ailment is same as the *prakriti*of the diseased person, the disease becomes *krichrasadhya* i.e. difficult to cure. Similarly if the vitiated *dosha* is different from one's *prakriti*, it is very easy to treat.
- Management of diseases/ Individualized medicine: Acharya Charaka has mentioned 'Pratipurushasiddhanta' considering one's prakriti and other factors specific to the diseased person while treating his/her ailment. The knowledge of prakriti helps in drawing a specific treatment for diseased person. amajavyadhi like jvara, for kaphaja person one can adopt complete apatarpana chikitsa whereas in case of vataja person that cannot be adopted completely<sup>11</sup>.
- 8) **Determination of Drug doses** The dose of the medicine is decided according to one's *prakriti*. In general the *alpa* (minimum), *madhya* (moderate) and *pravara* (maximum) dose of medicine are adopted in *vata*, *pitta* and *kaphaprakriti* individuals respectively<sup>12</sup>.
- **Preventive** Medicine-Ayurveda dinacharya (diurnal regime) and ritucharya (seasonal regimes) have been explained on the basis of prakriti. The person can adopt these regimes as per need of prakritito keep body healthy and *dosha* in equilibrium state<sup>13</sup>. For example kaphaprakriti persons need more exercise, laghuahara to keep their body fit and should avoid they divasvapna, whereas vataprakritipersons are advised to take nutritious







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and heavy food, do less exercise and can do divasvapna.

Avurveda advocates extensive preventive measures in terms of sadvritasvasthavirta, dinacharya, ritucharya etc. By determining the prakriti of every individual, their health can be maintained by advocating them pathyaahara (Favorable foods and drinks) and vihara (behavior and physical activities) and simultaneously restricting them take apathyaahara (unfavorable food and drinks) and vihara (behavior and physical activities).

Genomic medicine-The concept prakriti and its relationship with genomics was hypothesized over a decade ago<sup>14</sup>. Following that, researchers sought to link prakriti categorization genetic data and to relationship of single nucleotide polymorphisms DRB1<sup>15</sup>,CYP2C19<sup>16</sup>, HLA (SNPs) EGLN1<sup>17</sup>,inflammatory and oxidative stress related genes<sup>18</sup>, CD markers for various blood cells<sup>19</sup>, DNA methylation alterations<sup>20</sup> and risk factors of cardiovascular or inflammatory diseases have been reported<sup>21</sup>. A preliminary study shows that the prakriti categorization, which serves as a foundation for Ayurvedic treatment, has a genetic basis and may give information for future research<sup>22</sup>.

#### **DISCUSSION**

In the last few decades *Ayurveda* is being studied with lot of enthusiasm and there are many experts who teach *Ayurveda* to the tune of their

understanding. Ayurveda has given lot of importance to prakriti, because it has power to predict future illnesses. Prakriti shows an individual's susceptibility to dosha-specific illnesses, based on which his prakriti is determined. That indicates that someone with a vata dominant prakriti is more likely to get vata vitiated illnesses than someone with a pitta or kapha dominant prakriti.If the constitutional dosha and vitiated dosha are different, a medication must be formulated in such a way that it would calm the vitiated dosha while not increasing the vitiation of the constitutional dosha. This is especially true in the case of vata and kapha since their characteristics (guna) are diametrically opposed, and treating 'kapha' may cause vata to grow. This statement is equally valid in terms of nutrition and lifestyle. If the constitutional and vitiated doshas are the same, the chosen drug(s) must be more potent. In the field of genetics, science has reached a breakthrough. Genetic mapping for predicting future diseases and managing them using genetic engineering is possible. World also have realized that classification of humans in major groups is not sufficient, and individual classification is required. Prakriti (genotype) knowledge will be beneficial in these studies. With prakriti understanding, many feared illnesses may be investigated. Prakriti analysis principles imply that various medicines should be used for with the disease. different people same Understanding this notion is the first step toward designing or customizing medication. Genome November 10<sup>th</sup> 2021Volume 15, Issue 3 Page 13





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can be studied using knowledge of prakriti for preventing many dreaded diseases as previously said, prakriti knowledge is critical for medication selection. During both sickness and health, the individual might be offered advice on nutrition and lifestyle to help them maintain their best health. If 'prakritivinishchaya' is not done, every case presentation would be incomplete.By following a good diet and, if necessary, making lifestyle adjustments, an individual can avoid illnesses to which his or her prakriti predisposes him or her. As a result, prakriti is extremely important in terms of prevention. In the event of sickness, the pathogenic process has consequences on the body that obscure some of the *prakriti* diagnostic characteristics. It is usually preferable to keep a record of one's prakriti in a healthy state. During sickness, many patients visit the doctor for the first time. In such situation, though not appropriate, rough diagnosis of the prakriti is sufficient for management of that disease. Ideally *prakriti* should be analyzed when the individual is healthy.

**CONCLUSION** 

For getting The *Ayurvedic* Sciences' more excellent (significant) results, it is essential that everyone should know their constitutional type. Everybody's constitution is Unique. *Ayurveda* divides the population into seven constitutional kinds (*prakriti*), each with its own set of physiological, anatomical, and psychological characteristics, as well as a propensity to certain

Whereas medicine illnesses. western traditionally tended to take the view that all the people are less or more same and has attempted to treat the condition rather the patient suffering from it and they consider that Everyone has the anatomy and physiology, and same the pathological illness process does not account for differences sufficiently between the people but Ayurveda classify the people in different individual constitution (prakriti).





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