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REVIEW ARTICLE

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### Vikara Vighata Bhava - Concept of manifestation and non manifestation of a disease

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### ABSTRACT

Every individual is dissimilar while resisting a disease. Disease is an outcome of mutual association between Nidanadi Visheshas (Nidana, Dosha and Dooshyas). Presence or absence of a factor called Vikara Vighata Bhava affects greatly the mutual association of Trayonidanadi Visheshas. The outcome of reaction of Nidanadi Visheshas with Vikara Vighata Bhava and Abhava will cause vivid manifestation of pathogenesis (Sampraptis). A factor which inhibits/hinders the manifestation of a disease in an individual is known as Vikara Vighata Bhava. In the absence of Vikara Vighata Bhava manifestation of a disease is possible easily.

Key words: Nidana, Dosha, Dooshyas, Vikara Vighata Bhava, Vikara Vighata Abhava.

#### **INTRODUCTION**

"All causative factors are not equally capable of vitiating Doshas, similarly every individual is dissimilar while resisting a disease".[1] This is a famous quotation by Acharya Charaka which explains about health disparity an area of major concern in community health care. An individual may not be born with a disease but is at a risk of developing it at any stage of life. It starts with genetics and life style choices that lead to or worsen risk factors for many diseases.

Susceptibility causes an individual variation in terms of immunity and on large scales it brings about ethnic disparities. We come across many instances of this

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kind. Mexican Americans and Arabs are two ethnic groups at a high risk of developing type 2 Diabetes Mellitus.<sup>[2]</sup> Blacks have a higher incidence of stroke and more severe strokes than whites.[3] Sickle cell anaemia is more prevalent in African Americans.[4] Similarly human being is the only reservoir for the organism salmonella typhi. Animals are resistant to most of plant diseases and vice versa. All these instances can be reasoned well in Ayurveda in terms of Vikara Vighata Bhava- Abhava Prativisheshata.

### VIKARA VIGHATA BHAVA

According to Ayurveda presence of Nidana (causative factor), Dosha (three humours of body) Dhooshyas (Dhatus/Upadhatus/Malas) is essential for the manifestation of a disease. But the presence of these three is not an absolute assurance for the manifestation of a disease. Presence or absence of a fourth factor called Vikara Vighata Bhava will decide the occurrence and non-occurrence of a disease in an individual. Acharya Charaka explains "manifestation and non manifestation of a disease depends upon the prativisheshas of Nidana, Dosha, Dooshya Visheshas towards Vikara Vighata Bhava and Vikara Vighata Bhava Abhava."[5] A factor which inhibits/hinders the manifestation of a disease in an

individual is known as *Vikara Vighata Bhava*.<sup>[6]</sup> In the absence of *Vikara Vighata Bhava* manifestation of a disease is possible easily.<sup>[7]</sup>

#### Visheshas and Prativisheshas

The specific factors which are involved in the manifestation of a disease are known Visheshas/Nidanadi Visheshas[8] and they include Nidana (causative factors), Doshas (three humours of body) and Dooshyas (Dhatus/Upadhatus/Malas). Ayurveda considers disequilibrium state of Doshas and *Dhatus* as disease.<sup>[9,10]</sup> Unwholesome food habits/conduits, time/season (Kala), germs, injuries, lightening and toxins can vitiate Doshas and are known as Bahya Hetus (external causative factors). Similarly, vitiated Doshas and Dhatus become the Abhyantara Hetus (internal causes).[11] Acharva Chakrapani considers Nidanadi Visheshas Vyadhijanaka Nidanas.<sup>[12]</sup>

#### **Prativisheshas**

Prativishesha is nothing but the outcome of Nidanadi Visheshas coming in contact with Vikara Vighata Bhava and Vikara Vighata Abhava. Each of these has four outcomes.

#### Vikara Vighata Bhava Prativisheshas

We come across four outcomes (*Prativisheshas*) when *Nidana*, *Dosha* and *Dooshyas* come in contact with *Vikara Vighata Bhava*. They are,

- 1. Avikarajananam (non manifestation of disease)
- 2. *Chirena Vikara Jananam* (Delayed manifestation of disease)
- Anu Vikara Jananam (manifestation of a mild disease)
- 4. Asarvalingayukta Vikara Jananam (manifestation of a disease without the all symptomatology)

#### Avikarajananam (Non manifestation of disease)

According to Acharya Vaghbhata disease begins with the vitiation of Doshas. Disease is an outcome of mutual association of Nidanadi Visheshas. Nidana vitiates Dosha only when it gets Anubandhi / Pratyanukoola (associated / mutually coping or

helping) with Dosha. Anubandha between Nidana and Dosha is possible only when Nidana and Dosha are homogenous in terms of Dravya, Guna, Karma and Prabhava.[13] Similarly, Dhatushaithilyam Khavaigunya is the prerequisite for the Dooshyas to get associated with vitiated Doshas. Acharya Sushruta explains it as aggravated Doshas circulate throughout the body in search of a favourable place (Khavaigunya) to get lodged and cause morbidity.[14] Acharya Dalhana comments Khavaigunya as place of Srotovaigunya. In the presence of Vikara Vighata Bhava association between Trayonidanadi Visheshas (Nidana, Dosha and Dooshyas) is not permitted. This leads to non-manifestation of a disease.

### Chiren Vikara Jananam (Delayed manifestation of a disease)

In the presence of Vikara Vighata Bhava, sometimes Anubandha of Nidanadi Visheshas happens after a long gap (Kalaprakarshyad Anubadnanti) when the person repeats consumption of same Nidana (Heturvicchedham Krutwa Punah Sevyate). This is due to existence of similarity between Kala and Dosha or Hetu and Dosha as time passes.[15] This leads to the delayed manifestation of a disease. Acharya Sushruta explains it as whenever the Dosha is not aggravated it resides / remains completely dormant (Nishpratyanikah / Nishpratikriyah) in the channels (srotuses) waiting for an appropriate time to aggravate completely and manifest a disease. [16] Similar opinion is given by Acharya Charaka as "Seeds will sprout after a long time being buried in the ground when they get rain water. Similarly, Doshas will be reaggravated to cause Vishama Jwara after a long time remaining submerged in the Dhatus (Srotuses)."[17] Sanubadhana is a type of Abheshaja (Dravya causing vitiation in Vatadi Doshas) which causes manifestation of a disease after a long gap. Person coming in contact with Dooshi Visha may suffer from skin disease (Kustha) after a long gap. [18] Many a times Kala (season) itself acts as a Nidana, for instance, Sanchita Kapha in Shishira Ritu gets aggravated in Vasant Ritu due to effect of season. Similarly it is understood for *Pitta* and *Vata Doshas*. [19]

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## Anu Vikara Jananam (Manifestation of a mild disease)

Sometimes. Anubandha (association) between Nidana, Dosha and Dooshya is very weak (Abaleeyam So Athava Anubadhnanteeti Nidanam). According Acharya Chakrapani, when virulence of causative factor is mild (less potent) vitiation of Dosha and then Dooshva is also mild.[20] This leads to a weaker association between Nidanadi Visheshas and manifested disease will have a milder form (Alpa Bala) hence, these diseases are easily curable. Nidana bearing low potency and unable to bring Dosha Vaishamyata (vitiation) is called as Vyabhichari Hetu.[21] Seasonal effects of Shishir Ritu unable to cause Kapha Prakopa is a Vyabhichari Hetu for Kapha Prakopa.

## Asarva Linga Yukta Vikara Jananam (not having all symptomatology)

This is again due to a weak association between *Nidanadi Visheshas*. *Asarva Linga Yuktam* means lacking all classical symptoms mentioned in the text.<sup>[22]</sup> All these are *Prativisheshas* of *Nidanadi Visheshas* coming in contact with *Vikara Vighata Bhava*.

#### Vikara Vighata Abhava Prativisheshas

Whenever *Nidanadi Visheshas* come in contact with *Vikara Vighata Abhava* we come across four outcomes as follows

- 1. Vikara Jananam (manifestation of disease)
- 2. Sheeghra Vikara Jananam (Early manifestation of a disease)
- 3. *Mahati Vikara Jananam* (manifestation of a severe disease)
- 4. Sarvalinga Yukta Vikara Jananam (manifestation of disease with all symptomatology)<sup>[23]</sup>

### Vikara Jananam (Manifestation of a disease)

As discussed earlier, *Vikara Vighata Abhava* is a factor which facilitates the manifestation of a disease in an individual. *Anubandha* between *Nidanadi Visheshas* is

faciliated by *Vikara Vighata Abhava* hence, manifestation of disease takes place.

### Sheegra Vikara Jananam (Early manifestation of a disease)

Whenever *Nidanadi Visheshas* come in contact with *Vikara Vighata Abhava, Anubandha* between these three factors happens very fast and leads to early manifestation of a disease. It is said as consuming food during *Ajeerna* (indigestion) is the root cause for immediate vitiation of *Tridoshas*. (*Jeerne Asneeyat Prakopatyashu: Sarva Doshan*).<sup>[24]</sup>

### Mahati Vikara Jananam (Manifestation of a severe disease)

Absence of Vikara Vighata Bhava causes pre-existing Dhatushaithilya and there by causes severe vitiation in Dooshyas. This leads to manifestation of a severe disease (Asadhya/Kastha Sadhya Vyadhi) and may lead to complications.

## Sarvalingayukta Vikara Jananam (Manifestation of a disease with all symptomatology)

Extensive *Dooshya Vaishamyata* leads to manifestation of the disease to its fullest form with all the symptoms mentioned in classics.

### **DISCUSSION**

Association between Nidanadi Visheshas is a requisite for the manifestation of a disease. Vyadhikshamatwa (immunity) is a factor which is antagonistic to the strength and virulence of a disease (Vyadhi Bala Virodhitwam), as well as which inhibits the disease factors causing (Vyadhyutpad Pratibhandakatwam).[25] Nidanadi Visheshas coming in contact with Vikara Vighata Bhava will not be permitted for mutual association between them and thereby manifestation of a disease is inhibited. This refers to Vyadhyutpad Pratibandhkatwam. On the other hand Anubandha between Nidana, Dosha and Dooshyas is permitted after a long gap leading to delayed manifestation of disease. Similarly, a weak bonding between Nidanadi Visheshas will lead to Anuvikara Jananam/ Asarva Linga Yukta Vikara

Jananam which are easy to cure. This refers to Vyadhi Bala Virodhitwam.

Vyadhikshamatwa is also known as Bala, a factor which counters the vitiation in Doshas (Dosha Nigrahaya / Vyadhi Nigrahaya).[26,27] Genetic factors (Sahaja Bala), seasonal/age factors (Kalaja Bala) and life style choices (Yuktikruta Bala) influence on the strength (Bala) of a person. Dhatushaithilya/ Khavaigunya facilitate the vitiated Doshas to bring vitiation in *Dooshyas*. Dhatushaithilya may be inherited for a specific organ whose genetic materials (Beeja, Beeja Bhaga and Beeja Bhagavayava) have undergone mutation. This causes an inherited susceptibility of an individual towards a disease.[28] Person's strength changes in accordanace with age and season. Person in adulthood, Hemant and Shishir Ritu bears a good strength on the other hand chidren and elderly and during Adan Kala strength of the person depletes. At the same time Dhatushaithilya may be acquired even. The person habituated to consume Gramyahara such as Amla, Lavana, Katu, Kshara, Shushka, Shaaka, Mamsa, Tila, Palala, Pistanna, Niroodha, Anava Shookha, Shamidhanya, Viruddha, Asatmya, Rooksha, Kshara and Abhishyandi Bhojana. One who is habituated for Diwaswapna, Adhyashana, Stree Prasanga (intercourse), consumption of alcohol in excess. One who cannot bear the fear, sorrow, anger, hostility, jealousy, frustration and greed. Such persons are prone to Dhatushaithilya like Vidahayukta Rakta, Shithila Mamsa (weak musculature), joints prone for dislocation, Majja not filling bones, Shukra Kshaya and all these leading to Oja Kshaya."[29]

Dhatu Shaithilyam is much dependant on collective form of Dhatusara (essence of all Dhatus) which is nothing but the Oja. Acharya Chakrapani explains as "though Oja is collective form of essence of all Dhatus it protects a particular Dhatuvaha Srotus from the diseases as the essence of that particular Dhatu (Rasadi Sararupataya Rasadibhyo Abhinnamoja:). [30] Sara Pariksha is one among Dashavidha Pariksha Bhavas and examination of same guides a physician about the prognosis of the disease. Person possessing good essence of a particular Dhatu is protected from

that particular *Dhatu Pradooshaj Vikaras* and one can observe the *Prativisheshas* of *Vikara Vighata Bhava* for that particular *Dhatu pradooshaj vikaras* and vice versa. For *Rasa Dhatu Sara Purusha*, skin diseases are seldom seen and the prognosis of the same will be good. On the contrary the person compromised for essence of *Rasa Dhatu* will be immune compromised for *Rasavaha Sroto Janya Vikaras*. It is similarly understood for other *Dhatu Sara Purushas*.

Acharya Charaka classifies person as Vyadhisahani (who can resist disease well) and Vyadhyasahani (who cannot resist disease well). Vyadhisahani has got well compact body (not too obese and not too emaciated), masculine, well developed body and is habituated to Satmya (wholesome food habits). He is also bestowed with strong mind (Satwa). On the other hand Vyadhyasahani has got non-compact body, loose musculature; he is either emaciated or obese and weak. He is habituated for unwholesome food habits and has got a weak mind. All these things will contribute for the vivid manifestation of a disease in an individual as discussed earlier. [31]

Along with Shareera Bhavas, Satwa (mind) is also considerd as a boost for the immune system in Avurveda. Due importance is given for the examination of Satwa in Dashavidha Pareeksha Bhavas. Laghuvyadhita Purusha (a person who projects serious complaints as mild) can bear the sorrow to maximum (can resist a disease well) and is fit for all kind of therapies where as Guru Vyadhita Purusha (a person who projects even a mild symptom as big) is unable to bear sorrow and hence, therapies are administered with caution. [32] Anger, hatred, jealousy, hostility, frustration and other similar negative thoughts bring on discomfort immediately. Physiologically each thought is a chemical and many of the negative destructive thoughts could be bad chemicals that destroy a part of us every time they get secreted. Similarly, positive thoughts are the tonic for the system as also to our enthusiasm to work. Just as hurting others in thought and deed is bad for the health, helping others in deed and thought could boost one's immune system. All these happen through an enigma called mind. Modern medicine is

now recognising hostility as the main culprit in heart attacks and anger as the cause for haemorrhagic strokes. Depression with frustration does bring on cancer and all other killing diseases in their wake.<sup>[33]</sup>

Suitable time (season), place (Desha), combination (Samyoga), Samskara and dosage (Pramana) cause a considerable change in the virulence of the causative factors (Nidana).[34] For instance, Vrihi is said to be Apathya (unwholesome food) as it vitiates Pitta, in marshy lands (Anupa Desha) and Sharat Ritu this property of Vrihi is enhanced markedly, whereas in Dhanwadesha and Hemant Ritu same gets reduced. Doshas become deeply invaded whenever they get homogenous Dooshyas (Samsrustha Yoni) to cause early manifestation of diseases which are difficult to cure. Vitiated Pitta causes early vitiation in Rakta to cause morbidities which are difficult to cure.[35,36] Hence, it is said as season and geographical changes will act as favourable conditions for the Doshas to manifest a disease.

Many emerging infectious diseases are often the result of a host shift, where the pathogen originates from a host species. Virulence can be extremely high following a host shift (for example HIV, SARs and Ebola), while other host shifts may go undetected as they cause few symptoms in the new host. For instance, in bats, Ebola virus appears to be largely asymptomatic, but it is frequently fatal when it crosses the species barrier into humans and other primates. Similarly Henipaviruses appear to be non-pathogenic in pteropoid bats, but can cause high levels of mortality in livestock and humans. [37] Hence, every individual (species) is dissimilar to resist a disease. [1]

Balavruddhikar Bhavas (tips to have good immune system) are mentioned by Acharya Charaka as - "the person born in Balavatpurush Desha (geographic region where persons bear good strength) such as Punjab and Sindha Pradesh, person born in Visarga Kala such as Hemant and Shishir Ritu, person born in a family of healthy/strong persons (ancestors), parents having non mutant gamets (Beeja Sampat), mother bearing healthy uterus (Kshetra Sampat), one having

enough and good nourishment (*Ahara Sampat*), habituated to wholesome food habits and conduits (*Satmya Sampat*), one bearing a sound mind (*Satwa Sampat*), having good characters, person in adulthood, indulging in good work and keeping himself happy and contained<sup>[38]</sup> all these boost up the immune system (*Bala*) of an individual.

#### **CONCLUSION**

Mutual association between *Nidanadi Visheshas* is a must for the manifestation of a disease. But it is *Vikara Vighata Bhava* or *Abhava* which inhibits or facilitates the association of the *Nidanadi Visheshas* and thereby brings about various pathogenesis. *Chikitsa* is aimed at *Nidana Parivarjan* (avoidance of causative factors) and *Samprapti Vighatana* (breaking down the pathogenesis). It is essential that the physician must be well equipped with the knowledge of pathogenesis, factors affecting pathogesis, strength of the *Dosha* and *Rogi* to adopt a proper treatment and to achieve success. Knowledge of *Vikara Vighata Bhava Abhava Prativisheshas* is essential in assessing pathogenesis, *Sadhyasadhyatwa* (prognosis of a disease) and to adopt a proper treatment protocol.

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