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# PHYSIOLOGICL AND PATHOLOGICAL **INSIGHTS ON OJAS**

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#### **Abstract**

Since the inception of Human race, mankind seeks for a healthy as well as a long life. Acharya Charaka defines utility of Ayurveda as to maintain good health in a healthy and to cure ill health in the diseased and ways to achieve these are also elaborated. To understand the status of good health, concepts like *Ojas*, Vyadhikshamatva, Bala, satva are explained and they are mutually dependent. Ojas which is said to be the essence of all seven *Dhatu*, when it is normal forms the *balavan shareera*. *Bala* in turn provides vyadhikshamatva, which is the ability of an individual to fight against diseases and to prevent it. Due to intake of *Nidana* or by any *Vyadhi*, *Ojodushti* may happen primarily or secondarily, thus leading to various kinds of disorders as well as inability of the body to defend itself from the diseases. This article is an effort to understand the physiological as well as pathological aspects of *Ojas*.

Keywords:-Ojas, Bala, Vyadhikshamatva, Ojo dushti.

## INTRODUCTION

Ayurveda aims to maintain healthy status of a healthy individual and to cure the disease of diseased person<sup>1</sup>. The concept of immunity in Ayurveda revolves around Dosha, Dhatu, Agni. Dosha, Dhatu and Mala are the Mula of Shareera<sup>2</sup>. Pakruta Avasta of Tridosha supports the body and it is also referred as Dhatu. Dhatu does the *Dharana* and *Poshana* of body, hich when all 7 dhatu are in normal state, their essence is *Ojas. Ojas* is Saara of Saptadhatu and it does the Dharana karma of Shreera. Ojas is one among Dashapraanaayatana and it maintains Bala and Vyadhikshamatva of an individual. Vyadhikshamatva is the capacity to fight against the diseases before the actual manifestation of diseases (prevention) oreven after manifestation of diseases. Various factors which contribute to Vyadhikshamatva such as Prakruta Dosha, Dhatu, Agni and Srotas. Ojas when maintained in proper quantity and quality, keep up homeostasis, sustains Prana, whereas its Abhava leads to prana Nasha.

## Concept of Vyadhikshamatva

The concept of *Vyadhikshamatva* is having prime importance in the wellness of human beings for prevention and recovery from diseases. *Vyadhikshamatva* comprises of two components<sup>2</sup>,

- 1. Vyadhi bala virodhitvam— the one which attenuates the manifested disease.
- 2. *Vyadhi utpaada pratibandhakatvam* one which prevents the manifestation of diseases.

Person following *Satmya Ahara Vihara* and proper *Dinacharya*, *Ritucharya* and *Ratricharya*, in them will be proper *Agni*, *Dosha Saamyata* and *Dhatu Sarata*, this *Dhatu Sarata* is responsible for good quality and quantity of *Ojas*. This is well support to *Vyadhikshamatva*.

## Concept of Ojas

"Ubje Aarjave" a/c to Amarakosha the word 'Aarjave' is originated from word 'Ruju'which means sahaja, "Ubje Aarjave" means "Sahaja / Praakuta / Aavastika bala"<sup>3</sup>, which means that which is inborn.

According to Astanga hridaya, the essence part of all the Dhatu from Rasa to Shukra is termed as Ojas.

According to Acharya Sushruta, Ojas is Parama Tejas of Dhatu from Rasa ending with Shukra Dhatu, that itself is called as Bala.

### Utpatti of Ojas

Ojas forms for the first time during intrauterine life<sup>4</sup>. Acharya Charaka says Ojas is the Adirasa of Garbha, before the Garbha Utpatti it is in the form of Saara of Shukra and Shonita. After manifestation of Hridaya in Garbha, Ojas acquiers the position inHridaya and Garbha and performs all its activities. Acharya Charaka describes the simile how the Ojas is formed in body, as the honeybees collect honey from different types of flowers and fruits and is deposited in one place, in the same way, Ojas is formedfrom the from all Dhatu and deposited in one place i.e Hridaya<sup>4</sup>. According to Acharya Susruta formation of Ojas is just like how Ghee is formed out of milk<sup>5</sup>.

## Oja Guna

Acharya Sushruta quotes the Guna of Ojas as Somatmaka, Snigdha, Shuklam, Sheeta, Sthiram, Saram, Vivikta, Mridu, Mritsna and Praanaayatana. Acharya Dalhana explains each Guna of Ojas as, Somatmaka means Soumya (Mild), Snigdha means Snehairgunayukta (having unctuousness), Shukla means Atishwetavarna (having white in colour), Sheeta means Sheetaveerya (cold in nature), Sthira means Shareera Avayava sthairyakari (it provides stability to body organs) Sara means Prasarana sheelam (easily spreading in nature), Vivikta means Sreshtagunairyuktam (having supreme qualities), Mridu means Komala (soft in

nature), Mritsna means Picchilam (having sticky /slimy in nature) and Uttama praanaayatana means Agnisomadrinam ayatanam (it is chief among the seats of life)<sup>6</sup>.

Acharya Charaka while explaing the Dasha Gunas of madya, describes the guna of ojas as Guru (heaviness), Sheeta (cold), Mridu (softness), Slakshna (smoothness), Bahala (density), Madhura (sweetnesss), Sthira (stability), Prasanna (clearness), Picchila (sliminess) and Sigdha (unctuousness)<sup>7</sup>.

Acharya Charaka illustrates other Guna of Ojas as Sarpirvarna (colour like ghee), Madhurasa (taste like honey), Laajagandhi (smell like fried paddy)<sup>8</sup>.

Acharya Charaka quotes other Varna of Ojas as Shudhda, Raktamishat and Sapeetakam. Acharya Chakrapani comments on this Shudhda means Shukla varna (white in colour), Raktamishat means kinchidrakta(Slight reddish in colour) and Sapeetakam means Eshatpeetakam(slight yellow in colour)<sup>9</sup>.

According to Acharya Cakrapaani, Ojas is having Gunas as that of Ksheera<sup>10</sup>.

## Divergent views on Ojas

- 1. <u>Ojas as Prakruta Sleshma</u> "Slaishmikasyojasaha" Acharya Charaka considers Prakruta Sheshma as Ojas because of Samana Guna<sup>11</sup>. Samana Guna between Sleshma and Ojas are Guru, Sheeta, Mridu, Picchila, Sthira and Madhura. According to Acharya Kashyapa, Pramana of Prakruta Kapha and Ojas are same i.e,. Shat anjali. According to Acharya Charaka, Kapha in Prakruta Avastha promotes Bala in the form of Ojas and in Vikruta Avastha takes the form of Mala<sup>12</sup>.
- 2. <u>Ojas as Rasa</u> "Rasa ca Oja samkhyaataha" According to AcharyaCharaka, Sthana of Rasa is Hridaya<sup>13</sup>. It does the tarpana, dhaarana, vardhana and circulate through out the body along the Dhamani, and to this Acharya Chakrapani comments Hridayasya rasa is called as Ojas<sup>14</sup>.
- 3. <u>Ojas as Shonita</u> "Jeevashonitama oja" According to Acharya Dalhana, Jeevashonita is also considered as Ojas<sup>15</sup>, Acharya Hemadri also quotes the word Ojas for Rakta because of Jeevana Karma of Rakta<sup>16</sup>.
- 4. <u>Ojas as Shukra Dhatu</u>— Acharya Dalhana and Bhavamisra quote Shukra does the Oja Poshana. According to Acharya Sharangadhara, Ojas is Upadhatu of Shukra, According to Vagbhata, Ojas is Shukramala<sup>17</sup>, According to Chakrapani, Ojas is Shukra Vishesha and he says Shukra is Manapreenana but Ojas is not a Manaprenana<sup>18</sup>.
- 5. <u>Ojas as Dhatu</u> According to *Acharya Chakrapani*, *Dhatu* does the *Dharana* and *Poshana Karma* but *Ojas* does only *Dehadharana* not *Poshana* of *Shareera*<sup>19</sup>.
- 6. <u>Ojas as Bala</u>— Acharya Sushruta explains Ojas is also called as Bala. Acharya Dalhana quotes on that, though Ojas and Bala are one and the same, they are different in Parama Artha. Ojas is Sarva dhatu snehabhuta, having Upachaya Lakshana and it possess the Rupa, Rasa and Veeryadhi Guna, but Bala can be assessed through Bharaharanadi Shakti and it does not possess the Rupa, Rasadi Guna<sup>20</sup>. Acharya Charaka has considered Prakuta Kapha as Bala as well as Ojas<sup>21</sup>.

## Types of *Oias*

- 1. Para ojas This type of Ojas is termed as Shreshta. It is Prana Ashraya, its Sthana is Hridaya and its Pramana is Ashtabindu, but According to Vagbhata, Pramana of Para Ojas is Shad bindu<sup>22</sup>. If there is slight reduction of Ashtabindu pramana, it leads to Praana Naasha or Marana<sup>23</sup>.
- 2. Apara ojas According to Ashtanga Hridaya, sthana of Apara Ojas is Dasha Dhamani which are attached to *Hridaya*, through which it circulates all over body and its *Pramana* is *Ardha anjali*<sup>24</sup>. If there is reduction in *Pramana* of this *Ojas*, it leads to *Ojakshaya*, this is the pathway for various diseases.

#### Ojas sthana

Hrudaya is considered as the sthana of Ojas by many Acharya. Bhela Samhita mentioned 12 Sthanas for Ojas i.e, Rasa, Rakta, Mamsa, Meda, Asthi, Majja, Shukra, Sweda, Mutra, Purisha, Pitta and Sleshma<sup>25</sup>.

*Ojavaha srotas – Dasha Damani* attached to the *Hridaya* which carry *Ojas* and pulsate all over the body.

Functions of Ojas - The person with good quality and quantity of Ojas can perform the activites like Sarvachesta, Swaravarna pradasa, Baahva aby<mark>antara karana aatma kriva</mark> without any glitches. Dalhana comments on this Sarvachesta means Kaya vak mano vyapareshu apratighata (ability to perfome all activities of body, speech and mind without any difficulty), clarity in Swara and good complexion, Bahyaanam means Karmendriya, Abhyantara means Budhindriya, Karana means Manas (ability to perfome baahya abhyantarakarma of indriya and manas in order to perfome their function). According to Acharya Dalhana, Ojas provides Bala to Karmendriya, Budhdindriya and Manas<sup>26</sup>.

#### Oja Vikruti

Acharya Sushruta explains the factors which destruct Ojas as Abhighata, Kshaya, Kopa, Shoka, Dhyana, Srama and Ksudha<sup>27</sup>. Ashtanga hridaya and Ashtanga sangraha quotes Nidana of Oja ksaya as Kopa, Dhyana, Shoka and Shrama, Acharya Hemadri on commenting adds Bhrama, Trasa, Katurasa and Rukshagunayukta bhojana<sup>28</sup>. Acharya Charaka explains Nidana like Vyaayama (excessive exercise), Anashana (not taking food), Chinta (thinking), Ruksha alpa Pramitashana (over indulgence in food item of only one taste among six tastes and also in less quantity or foods which are predominant of ruksha guna), excessive exposure to Vata, Aatapa, Bhaya and Shoka, excessive intake of Rukshagunayukta peya paana, Prajagara (staying awake at night), Atinirharana of Kapha, Shonita and Shukra (by adaptation of excess vamana, raktamokshana and maithuna), Kaala (in adana kala and vardhakva) and Bhutopaghata (by pishacadhi upaghata)<sup>29</sup>.

AcharyaSusrutha explains three stages of Oja Vikruti, they are Ojo Visramsa, Ojo Vyapat and Ojo Kshaya.

- 1.0jo Visramsa "Visramsaha sthanat chyutihi" Displacement of Ojas from its original place because of Abhighataadi Kaarana and produces the symptoms like Sandhivislesha (instability in body parts and joints), Gaatra Sadana (weakness of body), Doshaccvavana (displacement of doshas from its swasthanato other place) and Krivasannirodha (impaired activities of kaaya, vaak and manas). According to Acharya Sushruta, *Oio Visramsa* is seen in *Pitta* and *Vata Vridhdi* also<sup>30</sup>.
- 2. Oja Vyapat Dushta Dosha and Dushya combine with Ojas and produces symptoms like Stabdha Gurugatrata (stiffness and heavyness of body), Vatashopha (shopha due to vata dosha), Varna bheda (change in gauradi varna), Glani, tandra and Nidra.
- 3. Oja kshaya Pramaanataha Kshaya of Ojas occurs due to Shoka, Dhyana and Dhatukshayadi Karana and exibits the symptoms as Murccha, Mamsakshaya, Moha, Pralapa and Marana. Acharya Charaka quotes Dhaatu Kshaya Lakshana's as Bibheti, Durbala, Abhikshnam Dhyayati, Vyathitendriya, Dushchaya, Durmana, Ruksha and Kshama, AcharyaCakrapani comments on this as Bidheti means Trasvati( fear complex), Durbala means Heenabala(loss of strength), Abhikshnam Dhyayati means Punaha PunahaChintayati(constantly thinking), Vyathitendriya means Hridayadisthaneshu Vyathana( sensory disterbance), Dushchaya means Malinakanti(loss of complexion), Durmana means Gatotsaha(confusion), Ruksha means Nisnehangata( absence of sneha in body) and Kshama means Krushaanga(emaciated body)<sup>31</sup>.a/c to Vagbhata,Ojo Kshayais also seen in Udanavruta Pranavata andSamanavruta Vyanavata<sup>32</sup>. This indicates there is a involvement of different system like nervous and limbic system in the body.

#### Probable Sampraptiof Ojakshaya

Nidanasevsna

Agnidmandya

Jaataraagnimandya

Ahara Apacana

Improper formation of sara and Kitta Bhaga

Inappropriate Dhatuposhana

Inappropriate Uttarottara Dhatu Poshana

Incorrect formation of Saara of Saptadhatu

Improper formation of Ojas

Oja Kshaya

#### Conclusion

Ayurveda believes that, to maintain Swasthyavastha, it is important to attain Prakruta Avastha of Dosha, Dhatu, Mala and Agni. Ojosaustava, is a state in which Ojas is formed is in its normalcy which is a direct indicator of Vyadhikshamatva and Swasthyavastha. Ojasaustava is mainly dependant on Prakruti, Dosha, Dhatu, Agni, Mala and etc,. Ojas is a refined supreme product of Sapta Dhatu.

Concept of *Ojas* can be understood as *Vyadhi Utpaadapratibandhakatva* (to prevent the manifestation of disease). *Ahara* and *Agni* are *Mula* for *Ojas* and *Vyadhikshamatva*. *Ojas* cannot be incorporated as *Dosha*, *Dhatu* or *Mala*. The nature of *Ojas* differs from person to person depending on *Prakruti*, *Agni*, *Satva*, *Satmya*. *Ojo Visramsa* indicates *Karmahani*, *Ojo Vyapath* indicates *Gunahani* and *Ojo Kshaya* indicates *Pramanahani*. If *Ojas* is not maintained in proper quality and quality it affect bala of a person leads in manifestation of different physical and mental disorders as well as death.

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