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Review Article

ANALYSIS OF ARTAVA (MENSTRUATION) IN CONTEXT OF SHARIRA RACHANA Jain Nishi^{1*}, Joshi Anil Kumar¹

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ABSTRACT

The proper understanding of terminology is vital for a systematic knowledge of any structure especially in context of Sharira Rachana. A term is a structured set of concepts and their designations in a specific field. The proper terminology is concerned with relationship between the concepts and also makes a fundamental pillar. The aim of present article is to compiled, critically analyze the terminology related to *Artava* i.e. Raja, Artava and Shonita and elaborate the fundamental concepts behind those terminologies in various classics of Ayurveda. Presence of Raja, Artava since childhood, concept of Raja, Shonita, character of Artava and difference between Artava and Shonita are mentioned as reviewed literature. About one month of time period is needed in the formation of Artava in adult female's means to reach the Artava from its originating place to destination place or from Yakrita and Pleeha to Garbhashaya (Yoni) and this makes complete passage of Artava. Artava have Agneya Pradhana nature as source of Agneyatattva for Garbha while Anushanasheeta composition of Rakta Dhatu laid the foundation of Dhatu for body. Raja is the flowing constituent of Artava and Beeja as constituent of Artava is the source of Garbha. Both Artava and Rakta Dhatu are formed from Rasa Dhatu by Ranjanakriya. This process converts the Saumyabhava to Agneyabhava. This article can be helpful to understand the various terminologies related to the Artava.

INTRODUCTION

Whole Sphere of Sharira Rachana can be obtained only after getting the view of bird's eye and this requires study in definitive manner. The proper understanding of terminology is vital for a systematic knowledge of any structure especially in context of Sharira Rachana. The specific or detailed manner of study is called analysis. Compilation and contemplation are must to recognize the deep facts regarding any terminology of Ayurveda. Most of the concepts of Sharira Rachana have been described in very minute form, so it is not always possible to analyze it. It is only perceived by its clinical aspect. These all basic concepts of Sharira Rachana are built upon Panchabautika and Tridoșa principles. Sharira Rachana is not defined as separate subject so its description is found hither and thither in scattered form. Out of triad of Samhita, most of concepts of Shaarira are found in the Sushruta Samhita. This is only subject which formulate podium for all subjects and clinical knowledge. A term is a structured set of concepts and their designations in a specific field. The proper terminology is concerned with relationship between the concepts and also makes a fundamental pillar. Little work has been conducted

regarding the terminologies of *Samhita*. So it is necessary to add some thoughts for the further elaboration of *Sharira Rachana* in purview of terminologies. The aim of present article is to critically analyze the terminologies related to *Artava* i.e. *Raja, Artava* and *Shonita*. To compiled the references regarding the terminologies of them and elaborate the fundamental concepts behind that terminologies in various classics of *Ayurveda* are the objectives of the article.

Presence of Raja, Shonita or Artava since childhood

As in young or aged plans flowers and fruits do not come up, as in bud and decaying flower or fruit the fragrance is not explicit, similarly in females *Raja* (menstrual flow) and *Stanya* (milk) before twelve years and after fifty years of age are not visible.^[1] As fire located within the wood cannot be noticed without specific efforts, similarly *Shonita* require appropriate time and specific effort for their gross appearance ^[2]. Commentators like *Dalhana* and *Cakrapani* quoted the view for the presence of *Artava* since from the embryonic period.^[3]

Concept and formation of Raja

The Rakta, which is formed by the Rasa Dhatu get the term Raja in the females within specific time period of age. It appears in the female after the age of twelve years and subsides by the age of fifty. This time limit shows the normal phenomena in healthy females^[4]. Definition of *Raja* is also described by Dalhana to differentiate it from the Rakta Dhatu. The specific fraction of Rakta which takes places in Yoni of healthy females in the specific time that is in *Ritukala* known as the *Raja*. Appearance and its characteristics are similar as the Rakta. Through this definition. Dalhana gave the stress upon two conditions in the formation of Raja[5]. Streeyoni word refers the Rachanatmaka Adhishthana from where the Raja is getting off in specific time period of month. Ritukala represents the fixed period in every month in which flow of *Raja* appears in healthy female individual.

From Rasa Dhatu, the Rakta named Raia is formed. Rakta reaching uterus and coming out for three days in every month is called Artava^[6]. The Raja is formed from essence part of Rasa[7]. There appear some differences of opinion regarding the formation of Raja. Caraka, Sushruta, Dalhana and Cakrapani opined that it is formed from Rasa, while Vaabhata says that blood accumulated in uterus, then discharged as Artava, the Raja is derived from essence portion of Rasa; both these descriptions are identical, because Rakta either Dhatu Roopa or menstrual blood is derived from Rasa, thus it appears that Sushruta etc. have mentioned the earlier stage of Raja formation while Vagbhata the latter stage. The point has been clarified by Cakrapani that during the process of formation, the Artava is Saumva due to influence of Rasa, while at the time of its excretion due to specific changes it assumes *Agneva* character. This alteration is brought due to change in character caused by all Dosha in the same way as solid substance are changed into fume due to action of fire, cane juice a vitiating factor of Kapha is changed after fermentation into wine which vitiates all the three *Dosha*^[8]. *Arunadatta* opines that this Raja is formed from Ahararasa and not from Rasa Dhatu^[9]. Sharngadhara and Bhavamishra mention Raja as *Upadhatu* (by product) of *Rakta*^[10].

Appearance of Raja

The text word (written in original text) "Rakta meva" indicates the appearance of Raja or fraction of Artava which is coming out in each month and can be seen externally. This term suggests its similarity to the Rakta in terms of external appearance. Normal menstruation is not associated with pain or burning sensation, excreted blood is not unctuous, not very scanty or excessive in amount; colour resembles the red juice of lace, red lotus flower, fruit of jequirity or rabbit's blood^[11]. As per opinion of Dalhana, pure Rakta has characteristics not to discolour the cloth after washing^[12]. This is also same with the Raja which helps to define its purity as Pratyaksha Pareeksha.

Bhavamishra has explained the difference in colour is due to *Prakriti* of individuals, and vitiated all *Dosha* are responsible for symptoms like pain and burning sensation etc.

Concept of Shonita

In context of describing the Dosha and their location, Acharya has counted Shonita as fourth Dosha which is essential pillar to keep the balance of the body. Here word Shonita refers to the second one Dhatu, which takes origin from the Rasa Dhatu through the process of Ranjana occurs in the Yakrita & Pleeha. The seats of Shonita are described as the Yakrita & *Pleeha*^[13]. It means these both *Avayava* are said to be as Raktashaya or both Avayaya are included in the Raktashava. Even Shonita formation is occurred by the process of Ranjan but instead of complete Agneya nature, it has some Sheeta qualities also and these characteristics make the *Shonita* as proper *Dhatu*^[14]. According to Cakrapani being a Dhatu it possesses Saumva Guna along with Agneva properties and this makes the Shonita as Anushanasheeta[15].

Character of Artava

Artava is *Agneya*, has characteristics of *Rakta*, forms *Garbha* and is also essential for life^[16]. Though dominant *Mahabhuta* in this is *Tejas*, however, others also exist in smaller amounts.

It is four *Anjali* in *Pramana*^[17].

Entire period of one month is divided in three:

1. Rajahsrava: 3 to 5 days

Intermenstrual period has been given as of one month by all writers; however, there is difference of opinion regarding duration of menstruation as three days^[18], five days^[19], and seven days^[20]. If flow is excessive it lasts for three days; if average then for five days; however, if slight flow without any other symptom of abnormality persists even for sixteen days, it may be considered as normal^[21]. This stage is governed by *Vata*.

2. *Ritukala*: 12 to 16 days

It is of twelve days^[22], according to other opinions it may be of sixteen days; if Yoni, Garbhashaya and Artava are healthy, it may be of entire month; sometimes Ritukala may come up menstruation^[23]. *Dalhana* has explained that in twelve days duration, the first three days and last one day of constriction of yoni out of sixteen days duration are not counted. Since the seeds deposited during this period are likely to bear fruit, hence it is termed as Ritukala. Its duration as twelve days for *Brahmanis*, eleven days for Kshatriyas, ten or eight days for Vaishyas and nine or six days for Kshudras has been mentioned^[24]. This stage is governed by Kapha.

3. Ritu vyateetakala: 9 to 13 days

This stage is governed by *Pitta*. Presence of *Purana Raja* and constriction of *Yoni*, less chance of

conception and raised body temperature are the characteristics of this phase.

Difference between the Artava and Shonita

Artava is different form of *Shonita*. It is having more Agneya properties than Shonita, because the product of conception having both features of *Agni and Saumya* (source of *Saumyabhava* in *Garbha* is *Sukra*)^[25]. Even Artava has similarity with the Rakta Dhatu but it is responsible for the formation of *Garbha*^[26]. From the word Artava it's both component are reflected here. One which is having similarity in external appearance and second which is having similarity in its formation but for a different purpose. As per Dalhana statement these both are the product of Rasa Dhatu. In spite of having Saumya origin, they both are Agneya in nature. Even both are having with Agneya properties but the specially mentioning of Artava has been done because it makes a source to carry the *Agneya Guna* where as Rakta Dhatu is not. According to Cakrapani commentary, this reference explains about the importance of Artava among all Upadhatu and shows the most important causative factor in the production of Garbha. Both are getting originate from the Saumya Rasa Dhatu but after the specific process of transformation *Agneya* nature get develop in both. Due to difference in this Agneya Tattva (quantitative ratio of Agneya Mahabhuta) one plays its important role in the transferring this Agneya tattva in the Garbha and form as Beeja for the production of Garbha. The other having combined nature and maintains the Agneya Tattva in body^[27].

DISCUSSION

The *Sukra* and *Artava* are described as two causative factors for the creation of *Garbha*. Although formation of *Sukra* and *Artava* is present in both male and female individuals but only one is specifically described in each. This criteria of description is depending upon their comparatively relevance. This comparative relevance is only due to "*Agnisomeeyatvat*" nature of *Garbha*. It means only one *Tattva is* carried forward to the *Garbha* by one individual. So for this purpose the *Sukra* is having with *Saumya* nature while *Artava* have *Agneya* one.

Snigdha or Saumya Ansha transfer into one another and results in the formation of successive Dhatu in the process of Dhatu formation. But in females in spite of this transformation process (mainly of Snigdha Guna), one another substance is required as source of Agneya Tattva for the creation of Garbha so Artava formation takes place as Upadhatu form, while males have Saumya Beeja as in form of Sukra (source of Saumya Ansha to Garbha) so there is no need for formation of Artava as Upadhatu.

In order to explaining about character, formation of *Rakta Dhatu* etc. formation of *Artava* has been described by *Acharya*. Prior mentioning of *Artava* formation indicates its relation with *Rakta Dhatu*. Specific *Agneya* nature of *Artava* makes it peculiar from

Rakta Dhatu, even though its appearance is same. This Agneya Tattva is developed by the Ranjanakriya. In order to formation of Rakta Dhatu. Ranjanakriva have importance in the transformation of Rasa Dhatu. During this process, a sub product, *Upadhatu* is formed named as Artava. It may be formed just before to formation of the final product as Rakta Dhatu. It indicates that Artava and Rakta both are having some similarity because both are products of Ranjanakriya. This similarity is in terms of Bhautika level. Ranjanakriya is the only transformation process to develop the Agneya Tattva in Rasa or in other words transformation of Saumyabhava to Agneyabhava. This transformation process takes place in Yakrita and Pleeha. So it can be inferred that the process of formation of *Artava* begins in *Yakrita and Pleeha*. After formation, it is stored in *Yoni* through the specific Dhamani. This concept is also observed in clinical aspect that drugs which are used in the treatment of Artavakshaya is possible to act upon the Yakrita and *Pleeha* to stimulate the *Ranjana Pitta* for the initiation of Ranjanakriya.

Thus in nutshell, it is said that *Ranjanakriya* forms foundation for the production of both. Their constitutional composition laid difference in their function. *Artava* have *Agneya pradhana* nature as source of *Agneyatattva* for *Garbha*, so it present as *Streebeeja* while *Anushanasheeta* composition of *Rakta Dhatu* laid the foundation of *Dhatu* for body.

About one month of time period is needed in the formation of *Artava* in adult females. In other meaning about one month of time period is needed to reach the *Artava* from its originating place to destination place or from *Yakrita* and *Pleeha* to *Garbhashaya* and this makes complete passage of *Artava*.

From the *Artava Upadhatu* word, two meanings are taken in complete *Samhita* which can be interpreted as follows:

1. Rakta as Artava or the flowing constituent of Artava

This part of *Artava* is named as *Raja*, *Rakta* of *Artava* as mentioned in *Samhita*. It has appears like *Rakta* of rabbit or extract of *Laksha* as it has mentioned by *Acharya Sushruta*. This also resembles the features of *Rakta Dhatu* so it has entitled with term "*Rakta meva*" in context of formation of *Rakta* during mentioning about the feature of *Raja*. This part of *Artava* is coming out through the *Bahyamukha Artavavaha Strotas*, initially in first 3 to 4 days of *Ritukala*. Normalcy of flowing part shows the purity of another *Beeja* part of *Artava*.

2. Beeja as Artava or the stable constituent of Artava

The *Beeja* part is chief source for the creation of *Garbha*. After withdrawal of flowing fraction of *Artava*, it lasts for the next 12 days of period of *Ritukala*

named as *Drishtaartava*. After this period on closing the opening of *Yoni*, it is not available for combination with *Sukra*.

Among the two components of *Artava*, *Artava Pareeksha* has mentioned only for the previous flowing component. As *Beeja* part is not examined directly by *Pratyaksha*, on the basis of *Rakta* part of *Artava*, purity of previous one can be inferred. So the *Acharya* has described only characteristics of *Rakta* part *Artava*. In general, testing by cloth and its colour make a base for the testing of purity of *Beeja* part *Artava* indirectly.

CONCLUSION

Artava have Agneya pradhana nature as source of Agneyatattva for Garbha and present as Streebeeja while Anushanasheeta composition of Rakta Dhatu laid the foundation of Dhatu for body. Raja is the flowing constituent of Artava and Beeja as constituent of Artava is the source of Garbha. Both Artava and Rakta Dhatu are formed from Rasa Dhatu by Ranjanakriya. This process converts the Saumyabhava to Agneyabhava and it need one month of time to reach its destination place Garbhashaya. This article can be helpful to understand the various terminologies related to the Artava. Similarly other terminologies related to Sharira Rachana may also be compiled and analyzed for better understanding the subject of Sharira Rachana.

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