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Review on Nidana (Etiology) of Amavata (Rheumatoid Arthritis)

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Abstract

Amavata is more similar to Rheumatoid arthritis on the basis of its clinical manifestation and pathogenesis. *AcharyaMadhavakar* mentioned first *Amavata*as a special disease entity in his famous treatise *MadhavaNidanam*. *Ama* (biotoxin) and *Vata* (biophysical force or kinetics) are plaing an important role in the *samprapti* (pathogenesis) of *Amavata*(Rheumatoid arthritis). The term *Nidana* means cause or etiology of the disease. Amavata (Rheumatoid arthritis) is a multifactorial disease. In *Amavata*, mainly *sandhishula* (joint pain), *sandhisotha* (joint swelling) and *sandhigraha* (stiffness of joint) lead to the restricted movements of the joints and patients become crippled gradually due to vitiation of *Vata* with *Ama*. In *MadhavaNidanam*etiology or *Nidana* of Amavata(Rheumatoid arthritis) is vividly mentioned. *Viruddhahara* (Unwholesome Diet), *Viruddhacheshta* (Erroneous Habits), *Mandagni* (Diminished Agni), *Nishchalata* (Sedentary Life), Exertion immediately after taking *SnigdhaAhara* are specific etiological factors or *Nidanas* for *Ama* formation, *Vatadosha* vitiation and ultimately produce *Amavata* (Rheumatoid arthritis) manifestation.

Key words: Ama, Vata, Nidana, Amavata, Rheumatoid arthritis.

Introduction

In *AyurvedaAcharyaMadhavakar* mentioned first the *Amavata*as a special disease entity and where *Ama* (biotoxin) and *Vata* (biophysical force or kinetics) are taking animportant role in the *samprapti* (pathogenesis) of *Amavata*. The term *Nidana* means cause or etiology of the disease¹. Rheumatoid arthritis

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is a chronic, progressive autoimmune arthropathy and characterized by bilateral symmetrical involvement of joints with some systemic clinical manifestations². According to the clinical manifestations and pathogenesis*Amavata* very closely resembles with the Rheumatoid arthritis. The term *Amavata* consists of two words *Ama* and *Vata*. *Ama* is being apredominant factor of the disease and it is associated with the Vata thus causing the disease Amavata. *Ama* is also considered the root cause of the maximum number of disease as per the Ayurvedic concept. In this case*Ama Ama Ama*

Ama

Faulty digestive mechanism at the level of G.I.T. and faulty metabolism in the level oftissue and cellular i.e. termed as *Mandagni*(poor digestive capacity) is mainly responsible for the genesis of *Ama*. In ordinary parlance the term *Ama*means unripe and partially digested food that is unwholesome to the body ³. Thus it is a product due to defect in digestion and or metabolism and it is directly related with the state of *Agni* (digetion or metabolism capasity). So, it is an important factor for the pathogenesis of the most of the diseases and predominant cause of *Amavata*.

Etymology of Ama:

In *Vachaspatyam* the word *Ama* is derived as the word *Ama* is derived from the '*Am*' *Dhatu*with the suffix 'A'. It means improper or partially digested matter ⁴. In *Amarkosha* the word *Ama* is derived as Combination of '*Am*' *Dhatu* with '*Nich*' *Pratyaya* forms the word *Ama* which means the substance subjected to digestion andthat damages or is harmful to the different of *Srotasa*(channel) is known as *Ama*⁵.

Vata or Vayu:

Vata or *Vayu* is the chief functional component of living human body and it gives rise to good and bad consequences according its normal or abnormal condition. All the life activities of the body especially voluntary and involuntary movements are performed under the control of *Vatadosha*. It is another important pathogenic factor of *Amavata*. In*Amavata*, mainly *sandhishula* (joint pain),*sandhisotha* (joint swelling) and *sandhigraha* (stiffness of joint) lead to the restricted movements of the joints and patients become crippled gradually due to vitiation of *Vata* with *Ama*. Besides that other functions of *Vata* are also disturbed in *Amavata*.

Etymology of Vata or Vayu :

"Vati Iti Vayu" substance which has got movement, is known as Vayu (Vachaspatyam, Shabdakalpadruma)⁶. The term 'Vata' is derived from root 'Va Gatigandhanayoh' which means to move, to enthuse, to make known and become of (Amarkosha, Shabdastoma Mahanidhi). In classics it is also referred by synonyms like Anila, Marut, Pavana etc⁷.

Nidana:

It has been well accepted by almost all *Acharyas* that causative factors of *Mandagni* are also responsible for the formation of *Ama* into the body. Further *Ama* also causes *Agnimandya* due to *Tridosha Prakopa*. Thus it can be said that cyclic mechanism takes place in production of *Agnimandya* and *Ama*. *Nidana* of

Agnimandya and Ama can be divided and described as Aharajanya Nidana, Viharajanya Nidana, Manasika Nidana, Mithyopacharajanya Nidana.

Aharajanya Nidana : It includes inake of *Atimatra Ahara* or fasting for long time, untimely intake of *Annapana*, excessive drinking of water and excessive intake of *Guru-Ruksha-Sheeta-Dvishta-Vishtambhi-Vidahi-Ashuchi-Viruddha or Asatmya Ahara*⁸.

Viharajanya Nidana :It includes that *Vega Sandharana*(avoid essential urges), *Swapna Viparyaya* (day sleep and awakening at night) etc. act as causative factors of *Ama* formation in to the body⁹.

Manasika Nidana : If any person, afected with *Irshya, Bhaya, Krodha, Lobha, Shoka, Dainya, Dvesha, Kama, Moha, Lajja, Mana, Udvega* etc. and takes food, his/her Agni can not digest it properly and produces *Ama*.¹⁰

Mithyopacharajanya Nidana : Improper management *of Vamana, Virechana* or *Snehapana*, incompatibility of season may produce *Ama*¹¹.

In the context of Amavata it is a disease having multi-factorial etiology. *Amavata* as a separate disease entity was described first time in detail by *AcharyaMadhavakara*in his famous Ayurvedic book *MadhavNidana*. He has given specific etiological factors responsible for the causation of *Amavata* which are *Viruddhahara* (Unwholesome Diet), *Viruddhacheshta* (Erroneous Habits), *Mandagni* (Diminished Agni), *Nishchalata* (Sedentary Life), Exertion immediately after taking *Snigdha Ahara*.¹²

ViruddhaAhara: Factors, which provoke *doshas* but do not eliminate them out of the body, are called *Viruddha*.There are 18 types of *VirudhaAharas* (both drug and diet) mentioned by *AcharyaCharaka* those are*Desha* (Place) *viruddha,Kaal* (Time) *viruddha,Agni* (Digestion power) *viruddha,Matra* (Dose) *viruddha,Satmya* (Suitability) *viruddha,Sanskara* (Processing) *viruddha,Doshaviruddha,Virya* (Active Principle) *viruddha,Koshtha* (Bowels) *viruddha,Avastha* (State of health) *viruddha,Krama* (Order) *viruddha,Parihara* (Contra Indication) *viruddha,Upachara* (Prescription) *viruddha,Paka* (Cooking) *viruddha,Sanyoga* (Combination) *viruddha,Hrita* (Palatability) *viruddha,Sampat* (Richness in properties) *viruddha,Vidhi* (Rules of eating) *viruddha*¹³.

Besides these, foods taking without following the Ashta-Ahara-Vidhi-Visheshayatana are also considered as which are*Prakriti* Viruddha (Nature of food), Karana (Method of processing), Samyoga disease (Combination),Rashi (Quantity), Desha (Habitat),Kaal (Stage of or state of individual), Upyogasanstha (Rules governing intake of food), Upayokta (Individual who takes ahara).¹⁴

Dwadashapravichara should also be followed while taking food otherwise it is considered as*Viruddha* and these are *Ushna* (Warm),*Snigdha* (Unctuous), *Matravata* (In proper quantity), *Jeerna*(After the previous food is digested), *ViryaAviruddhama* (Non-antagonistic), *Ishatadesha* (In favorable place), *Ishatasarvopakarana* (With all the favorable accessories), *Natidrutama* (Not too fast), *Nativilambitama* (Not too slow), *Ajalpam* (Without talking), *Ahasana*(Without laughing), *Tanmanabhunjit* (With full concentration on eating), *Atmanamabhisamikshya* (Thinking of once self)¹⁵.

ViruddhaCheshta: The habits, which exert unfavorable effect on body, are considered as viruddhacheshta. In our classics *viruddhaahara* has been described vividly, but *viruddhacheshta* is not mentioned clearly. fordoshautklesha. Some *Viruddhacheshta*are responsible factors may be considered as Viruddhacheshtathose are Vega vidharana(avoid essential urges), Vega udirana (intentionally increase urges), Divaswapa (day sleep), Ratrijagarana (awakening at night), Ativyayama (excessive physical exercise), Vishamashayyashayana (sleeping in improper posture), Ativyavaya (excessive sexual intercourse). Asthis (bones) and Sandhis (joints) are the most affected parts in Amavata. Root source of these are MajjavahaSrotas and it is directly afflicted with Viruddhasevana. So it may say that ViruddhaAhara and *ViruddhaCheshta* both contribute as *nidanas* in pathogenesis of *Amavata*.¹⁶

Mandagni:Mandagni is the root cause of all diseases. It means hypo functioning of various forms of *dehagni* (i.e. *Jatharagni, Bhutagni* and *Dhatvagni*). The ingested food is digested by these three types of *Agni*

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to form healthy *dhatus* in the body. *Mandagni* leads to formation of *Ama* which causes *srotorodha* and results in reduced *Dhatuposhana*.Ultimately it's causing *Dhatukshaya* andthis *Dhatukshaya* leads to *vata prakopa*.¹⁷

Nishchalata: Any type of physical inactiveness can be termed as *Nishchalata*. It is responsible for *KaphaVriddhi* which results in *Agnimandya* and consequently leads to the formation of *Ama*which is main pathogenic factor for the manifestation of *Amavata*. Thus it may say that life style plays a great role in the formation of disease and physically inactive patients are more prone to *Amavata*.

Snigdhambhuktavatohiannamvyayamam: Most of the blood of circulation is supplied to the digestive systemafter consumption of food. But, if a person starts exercise or exertion immediately after taking food especially rich in *Snigdhaguna*, maximum circulation of blood will be shifted to skeletal muscles, resulting in hampered digestion and absorption which leads to *Ama*formation. Also exercise after taking food causes *vataprakopa* which affects the normalmetabolism and assimilation of *ahara*.

Discussion:

Amavata is more similar to Rheumatoid arthritison the basisofits clinical manifestation and pathogenesis. Amavata has been nomenclatured consisting into two predominant pathological factors i.e. Ama and Vata having their important role in *Nidana* (etiology)and*Chikitsa*(treatment). Faulty digestive mechanism at the level of G.I.T. and faulty metabolism in the tissue and cellular level i.e. termed as Mandagni is largely responsible for the formation of Ama.Nidana of Agnimandya and Ama can be divided and described as Aharajanya Nidana, Viharajanya Nidana, Manasika Nidana, Mithyopacharajanya Nidana. Vata is another important pathogenic factor of Amavata. Amavata is a disease having multi-factorial etiology. AcharyaMadhavaKar has given specific etiological factors responsible for the causation of Amavata which are Viruddhahara (Unwholesome Diet), Viruddhacheshta (Erroneous Habits), Mandagni (Diminished Agni), Nishchalata (Sedentary Life), Exertion immediately after taking SnigdhaAhara.18 types of VirudhaAharas (both drug and diet) mentioned by AcharyaCharakainsutrasthan. Foods taking without following the Ashta-Ahara-Vidhi-Visheshayatana are also considered as Viruddha.Dwadashapravichara should also be followed while taking food otherwise it is considered as Viruddha. The habits, which exert unfavorable effect on body, are considered as *viruddhacheshta.Mandagni*means hypo functioning of various forms of *dehagni* (i.e. Jatharagni, BhutagniandDhatvagni). Any type of physical inactiveness can be termed as Nishchalata. It is responsible for KaphaVriddhi which results in Agnimandya. Exertion immediately after taking SnigdhaAhara is also responsible for mandagniand formation of Aama.So, these are the important causative factors for Mandagni generation, Ama formation and Vatadosha vitiation andultimately to produce the Amavatamanifestation.

Conclusion:

Amavata(Rheumatoid arthritis) is a multifactorial disease.*Ama* (biotoxin) and *Vata* (biophysical force or kinetics) both are playing important role in the *samprapti* (pathogenesis) of *Amavata*(Rheumatoid arthritis).*Viruddhahara* (Unwholesome Diet), *Viruddhacheshta* (Erroneous Habits), *Mandagni* (Diminished Agni), *Nishchalata* (Sedentary Life), Exertion immediately after taking *SnigdhaAhara* are specific etiological factors or *Nidanas*for *Amavata*(Rheumatoid arthritis).

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