



CRITICAL ANALYSIS ON KROSTUKA SHIRSHA W.S.R SEPTIC ARTHRITIS

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ABSTRACT

In our body major joints will be affected or inflamed by one or the other disorders after certain age i.e middle age or old age. These may be due to unhealthy food habits, sedentary lifestyle and improper care due to lack of exercise, immunological issues, primary health issues may cause secondary infections. Most commonly bigger joints will be affected may be due to injury or by age related degenerative changes. Now a days arthritis, septic arthritis, synovitis quite common symptoms in elderly people. Septic arthritis is the invasion of a joint by an infectious agent resulting in joint inflammation. Most commonly knee joint will be affected and usually only one joint is affected. According to Ayurvedic science Kroshtuka shirsha also having most of the similar symptoms which has been explained by our Acharya Sushruta in Nidana sthana. Here an effort to put some light on this disease to understand according to modern science. In the present scenario we have to read and understand diseases explained in our classical literature in order to understand the concept and etiopathogenesis of upcoming and old diseases in updated version.

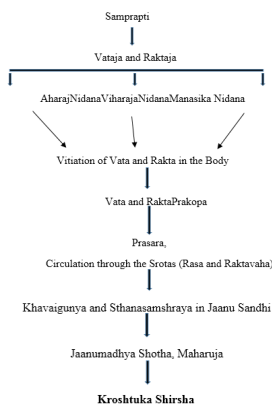
KEYWORDS : Kroshtuka shirsha, Septic arthritis

Introduction:

In Bruhatraye's most of the Vatavyadhi's has been explained by our Acharyas 5000 years ago itself. Kroshtuka shirsha is one among the Vatavyadhi has been explained by Acharya Sushruta in Nidana sthana, Vatavyadhi nidana adhyaya¹. It is a severe painful swelling of knee caused by vitiated vata and rakta, which will appear like a jackal's head so named as Kroshtuka shirsha. Because of severe pain redness of the local affected area and slight raise in the temperature will be common symptoms. The Commenter's on Sushruta Samhita, Nyayachandrika and Nibandhasangraha, we'll get few more explanation regarding this disease. Gayadasa opines that this disease as vikruti of Vatarakta and Jejjata also opines Kroshtuka shirsha is originated from Vatarakta because of the word explained in the verse related to this disease i.e Vatashonitaja. But meaning of this word can be taken as, causative factors of Kroshtuka shirsha vata and rakta.

Septic arthritis is a joint inflammation caused by infectious agent (bacteria, virus parasite, fungi via blood stream). It occurs in about 5 people per 1,00,000 every year², most common in elderly people. According to modern science few authors correlated Kroshtuka shirsha disease to sinoarthritis, synovitis. But involvement of rakta as dushya we can't appreciate here while correlating these diseases. So following things may help us for proper correlation of this disease to draw a better conclusion.

Etiopathogenesis of Kroshtuka shirsha: Nidana and Samprapti:



Septic Arthritis:

Etiology: Most commonly caused by bacterial infection. Bacteria can enter the joint by,

- Blood stream
- Arthrocentesis, arthroscopy, trauma (direct penetration)

Risk factors: Elderly people (>80), poor immunity, artificial joint.

- Rheumatoid Arthritis , Osteo Arthritis, Diabetes Mellitus, Recent joint surgeries.

Signs and Symptoms³:

- Severe pain
- Swelling
- Warmth at the affected joint
- Fever
- Limitation of the range of movement of affected joint

Differential Diagnosis: Rheumatoid Arthritis , Osteo Arthritis

Diagnosis: Synovial fluid examination⁴, Arthrocentesis⁵

Rapid onset of pain with a swollen joint, fever.

Diagnostic method: Joint aspiration with culture.

Discussion:

It is one among the Vatavyadhi according to Acharya Sushruta, but by keen observation on teekas we'll get different opinions regarding this disease on the word "Vatashonitaja"⁶. Jejjata opines that this disease originated from Vatarakta disease. Gayadasa opines it is the vikruti of vatarakta explained separately in this context because of chikitsabhedha. Maharujajanumadhya, shotha are the main symptoms of this disease. In the similar way septic arthritis also a disorder of joint most commonly knee joint⁷ will be affected. Mode of transmission of causative organism via blood stream. Symptoms also similar like pain, swelling, warmth at affected joint, fever. Due to inflammation the joint will look like Jackal's head.

So, Kroshtuka shirsha and Septic arthritis diseases pertaining to same part of the body and that too knee joint, Rakta/ mode of transmission via blood stream, similar symptomatology and due to inflammation of knee joint it looks like a jackal's head. By considering all points we can correlate both the diseases according to my point of view.

Vatarakta and kroshtukashirsha both are different diseases.

Because vatarakta also due to vitiation of similar entities (vata and rakta) but sthanasamshraya at the region of great toe of leg. And kroshtukashirsha affects only big joints most commonly that too knee joint also by same entities like vitiated vata and rakta, but sthanasamshraya takes place at the region of jaanu sandhi so it is different disease not vatarakta. And we can consider this meaning in this way also, it will be the secondary disease for vatarakta means the person who already suffering from vatarakta he may end up with Kroshtuka shirsha.

Conclusion:

Kroshtuka shirsha and Septic arthritis diseases related to knee joint, rakta/blood involved one or the other way, most similar symptoms and due to inflammation of knee joint it looks like a jackal's head. So by considering all points Kroshtuka shirsha can be correlated to Septic arthritis.

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