A CASE STUDY OF EFFICACY OF JALAUKAVACHARAN (LEECH THERAPY) IN THE MANAGEMENT OF KRAUSHTUKSHIRSH

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ABSTRACT

According to ayurveda 'Kraushtukshirsh' is a disease which is related with mainly 'Vata' and 'Rakta' dosha. The vitiated vata dosha affects rakta dosha and get localized in one of the knee joint and causes severe pain, swelling, redness and painful movements of that affected joint. 'Kraushtukshirsh' is the disease which occurs only in knee joint. The name has been given to this disease because 'kraushtruk' means wolf and 'shirsha' means head. The affected swollen knee joint looks like the head of wolf so, it is called 'Kraushtukshirsh'. Jalaukavacharan (leech therapy) is a type of 'Raktamokshan'. According to acharyas, 'Raktamokshan' is said to be best treatment for rakta dosha.

'Raktamokshan' is a type of shodhan (purification) treatment which relieves pain. 'Raktamokshan' can be done with the help of 'Jalauka' (leech) which is called jalaukavacharan. Along with that local application of 'Latakaranja lepa' and shaman chikitsa (internal medicine) was given, which showed significant improvement to reduced inflammatory condition i.e pain, temperature, redness, tenderness, and swelling of particular knee joint. Patient was admitted for 2 weeks, 2 settings of Jalaukavacharan was performed. Patient was able to walk confidently after the treatment.


INTRODUCTION

In ayurvedic samhitas Kraushtukshirsh is described as a one of the vaatvyadhi. It occurs only in knee joint. The main responsible factors for this are Vata and rakta dosha. The vitiated...
vata affects the rakta and get localised in one of the knee joint and causes pain, swelling, redness, temperature and painful movement of that joint. The sign and symptoms of Kraushtukshirsh can be correlate with inflammed knee joint or sinoarthritsis of knee joint. The knee joint is the largest and more complex joint of the body. It is compound synovial joint. The knee joint is formed by the condyles of femur, the patella and the condyles of tibia. According to ayurveda ‘janusandhi’ is a type of ‘Korasandhi’ (Hinge Joint). As mentioned in ayurvedic text, the vata and rakta dosha are responsible for the pathogenesis. The affected swollen knee joint looks like head of wolf hence the disease is known as Kraushtukshirsh.

The surgical procedures of allowing blood to bleed for the therapeutic purpose is known by the name raktamokshan. Raktamokshan is said to be ‘Ardha chikitsa’. Jalauka refers to leech. Accomplishing raktamokshan by allowing the leech to suck the blood from the site of lesion is known as jalaukavacharan. For this purpose non-poisonous leeches (Hirudo medicinalis) are used. Abnormality of rakta dhatu caused due to the morbidity of vata and pitta dosha is best treated by jalukavacharan. In ayurvedic classics treatment available for Kraushtukshirsh is pachana, raktamokshan and vatashaman. Keeping all these in mind, the present study was done to evaluate the efficacy of jalukavacharan in the management of Kraushtukshirsh.

**CASE REPORT**

**Patient name** - XYZ  
**Age** - 53yrs  
**Sex** - female  
**DOA** - 18/8/18  
**Reg. No.** 50779  
**DOD** - 30/8/18  
**Occupation** - Housewife  
**C/o** - Pain and swelling over right knee joint ++  
**Difficulty while walking and sitting ++**  
**Pain at lumbar region+**  
**N/k/c/o -** DM/HTN/ BA/PTB/ IHD/ Epilepsy  
**N/H/o -** Any major medical /surgical illness  
**N/h/o -** BT/drug allergy /any addiction  
**O/E -** G.C.Fair, a febrile  
**P-76/min**  
**BP-** 120/70 mm of Hg  
**S/E-** RS - AEBE clear
CVS - S1S2(N)  
CNS - conscious and Oriented  
P/A - Soft & nontender  

**Investigations**  
MRI right knee (18/4/18)- Moderate synovial thickening and mild synovial effusion is detected.  
-Diffuse subcutaneous edema around the knee joint.  
-Moderate changes of osteoarthritis detected in the form of osteophytes.  
CBC, RFT, LFT, Lipid profile, Bsl fasting and PP - WNL  
R. A factor - negative  

**Treatment given**  
**Shodhana**  
**Jalaukavacharan** - 2 settings done over affected right knee joint.  
1st- 23/8/18 and 2nd on 30/8/18  

**Shaman**  
1. shunthi +musta sidhha jal 30ml tds  
2. Arogyavardhini vati 250mg 2-0-2  
3. Triphala Guggul 250mg 2-0-2  
4. Sinhnad guggul 250mg 2-0-2  
5. Rasnasaptak kwath 20ml BD  
6. Haritaki choorna 3gms Hs with luke warm water  

**Sthanik Chikitsa**  
1. Latakaranja lepa  
2. Sarvang Nadiswedan  

**Assessment criteria**  

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<tr>
<td><strong>Absent</strong></td>
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<tr>
<td><strong>Mild</strong></td>
<td>+</td>
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<tr>
<td><strong>Moderate</strong></td>
<td>++</td>
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<tr>
<td><strong>Severe</strong></td>
<td>+++</td>
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Observations

<table>
<thead>
<tr>
<th>Right Knee joint examination</th>
<th>Before treatment</th>
<th>After treatment</th>
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<tbody>
<tr>
<td>Crepitation</td>
<td>++</td>
<td>++</td>
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<tr>
<td>Temperature</td>
<td>++</td>
<td>+</td>
</tr>
<tr>
<td>Tenderness</td>
<td>++</td>
<td>+</td>
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<tr>
<td>Tap</td>
<td>++</td>
<td>-</td>
</tr>
<tr>
<td>Swelling</td>
<td>++</td>
<td>+</td>
</tr>
<tr>
<td>Redness</td>
<td>+</td>
<td>-</td>
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<tr>
<td>Distance of Right knee joint from ground (in supine position)</td>
<td>4 fingers</td>
<td>2 fingers</td>
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<tr>
<td>Measurement in cm mid circumference of right knee</td>
<td>41cm</td>
<td>39cm</td>
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**DISCUSSION**

Kraushtukshirsh is one of the vatvyadhi. The vitiated vata along with rakta mainly causes inflammatory condition of affected knee joint, hence improvement can be expected by attaining the normal state of vata and it's anubandha dosha. Hence for the shodhana i.e purification purpose Raktamokshan is said to be best treatment. Jalukavacharan is easy form of raktamokshan with minimum pain, which is effective in Kraushtukshirsh. Also jaluka reduce local inflammation. Along with that shaman chikitsa such as pachana, Guggul kalpa and anulomak kalpa were used for vatashamana and raktashaman also local Latakaranja lepa was applied, it has rasa-katu, vipaka-katu, virya - ushna and having raktashodhan as well as shothahar (anti inflammatory) properties.
CONCLUSION

In this way patient was diagnosed in ayurvedic term Kraushtukshirsh and treated accordingly with jalaukavacharan, sthanik Latakaranja lepa and shaman treatment. Patient got significant improvement in reduction in swelling, pain, tenderness. Now patient can walk and do her daily routine work without difficulty.

REFERENCES

1. Madhav nidan - madhukosh vidyotini tika, chaukhamba prakashan, part 1, vaatvyadhi nidanam chapter 22/58, page no. 478.
2. Sushrut sharir sthan-acharya priyavat sharma, chaukhamba prakashan, volume 2by anantram sharma, chapter5/27 page no. 79.
5. Panchkarma illustrated - Dr. G. Shrinivasa acharya, chaukhamba prakashan, chapter Raktamokshan page no. 418, jalukavacharan page no. 428.