



**IJAYUSH**  
*International Journal of AYUSH*  
AYURVEDA, YOGA, UNANI, SIDDHA AND HOMEOPATHY  
<http://internationaljournal.org.in/journal/index.php/ijayush/>

International Journal  
Panacea  
Research library  
ISSN: 2349 7025

Review Article

Volume 11 Issue 01

Jan – Feb 2022

## DESCRIPTION OF AVEDHYA SIRAYEN: A REVIEW ARTICLE

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### ABSTRACT

Ayurveda is the science of healthy life. In Aurvedic texts there are brief description of Human body and its anatomical structures. In that order acharya shushrut has described the Sira in sharir sthana chapter seven. Charak has defined the Sira as Sarnat sira in Sutra sthan chapter thirty. Shushrut has mentioned four types of Sira-Aruna, Neela, Sweta, Lohita. These are relevant respectively with the Dosha Vatta, Pitta, Kapha Rrakta. We can regard “Neela sira” as the veins which collect impure blood from all over the body towards the Heart. The blood flow in these Sira by slow velocity is called Saran kriya. These Sira are basically of two types - one of them can be punctured for curing the disease is called Vedhya siras, 602 in number. Another type of Siras are Avedhya siras, 98in number, which are strictly prohibited for puncturing, if by mistake or by stupidity of the Chikitsak these are punctured the it leads to harmful results. There are several examples of disease those are cured by that Venu-puncture or Sira Vedhan process like Gradharasi, Vishvachi, Unmad, Apasmar etc. In this paper Avedhya Sira are very well discussed W.S.R to the anatomical structures involved in modern medical science. These are divided in three regions Shakhagat-16, Kosthagat-32, and Urdhavjatrugat-50

**Keywords:** Avedhya-sira; Sira; Avedhya; Saran kriya; Sarvavahatva; Chikitsardh; Nabhimulam

## INTRODUCTION

“Sarnat Sira” - In the Sira “Saran kriya of blood takes place. Sarankriya denotes very slow, back flow of blood towards the heart without any force. Sira can be considered as veins or Neela sira. The Sira drains the impure blood all over the body in to the heart. Sira have many valves that will direct the blood. According to acharya shushrut the origin of Sira is Nabhi (umbilicus) the number of Principal Sirais forty. Sira carries all the Doshas that’s why considered as “Sarvavaha”. Some Sira is contraindicated for venesection called Avedhya Sira. Siravedhan is an ancient method of treatment. Acharya Shushrut has said it as half treatment. So, today’s how we can consider it as a treatment, how we can elaborate it? For that purpose, this is choice. Our aim is to identify all the contra indicated sira mentioned by our text comparing with modern anatomical structures. So that we can avoid the venesection of the contraindicated veins. Total number of the sira 700 in number out of these 602 Vedhyasira, 98 Avedhya sira, in human body. Sira vedhan- Siravedhan is a type of Raktmokshan, in this process deeply rooted doshas in impure blood are removed in order to treat the disease. In a specific disease a specific Sira is to be puncture. Shushrut regards Siravedhan as “Chikitsard” means half treatment. Shushrut has compared it as Basti in Kaya chikitsa. Avedhya sirayen-in these Sira, Sira Vedhan should not be conducted. Due to the puncturing of them harmful results can be seen in our body. These Avedhya sira contains specific anatomical structure which will be discussed.

### **Avedhya sirayen in normal regimen**

In normal regimen avedhya sira are the veins by puncturing them the harm full effect can be seen due to severe blood loss. Due to puncturing the dorsal Venus plexuses there is casualty can be seen. Any venesection which is direct cause of severe blood loss or falling of blood pressure can cause of death. To avoid these miss happenings acharya has mentioned these ninety eight restricted veins for the venesection in particular places. Avedhya sirayen in contemporary thought.

The Anatomical structure considered with Avedhya sira

**a) In the extremities 5-4 in each, total 16.**

1. **Jaldhara** - one in number in each extremity in the upper limb we can consider cephalic vein in lower limb it can be considered as Great saphenous vein these both veins drained blood from dorsal venous arch.

2. **Two Urvi** - in the upper limbs it can be considered as brachial vessels. In lower limb it can be considered as femoral vessels.

3. **One Lohitaksh** - in upper limbs Axillary vessels in lower limbs profunda femoris and other deep branches of femoral artery. Avedhya sira in Kosta.

**In Shroni Pradesh** - Two Vitapa and two Katiktaran Two Vitapa - Testicular or Ovarian vessels/vessels of the gonads. Two katiktaran - Gluteal Vessels.

2. **Avedhya sira in parshav** - The concept of urdhvagata means vessels which goes upward from lateral side Parshav sandhigata means the vessels of laterally situated at the meeting point of abdomen and thorax. Avedhya sira of Pristh-two vrihati-Subscapular vessels

**Avedhya siras in the abdomen (udar) Medhropari Romrajimubhyato -**

These can be regarded as Epigastric vessels Avedhya sira in the thorax (vaksh) Aplap, Apsthamb, Stanmul, Stanrohit - These can be considered as Coronary vessels, Internal mammary vessels, Intercostal vessels, lateral thoracic vessels.

1. Urdhavjatrugata Avedhya siras

2. Marma sangya - Internal and external Carotid arteries and Juglarveins.

3. Krikatika - Occipetal vessels

4. Vidhur - Post Auricular arteries and veins

5. Avedhya sira - hanu

6. Sandhidhamanyau - Internal maxillary vessels.

7. Avedhya sira in tounge(jivyah) - Rasvahe, Vagvahe - these can be regarded as Profunda

linguae vessels.

8. Avehya sira of nose(Nasa) - Four Aupnasikaschya, these can be considered as Angular artery and veins

9. Talugat avedhya sira - Mriddavuddeshe (soft palate)

10. Avedhya sira of eye's (netra) - Apangyorekek (Outer canthus), Considered as zygomaticotemporal artery.

11. Avedhya sira of ear (karan) - Sabdvahini, Posterior Auricular and tympanic vessels.

12. Avedhya sira of Nose and Eyes (netra nasagatastu)

13. Kesanugataschya - Supra orbital and Termination of the frontal branch of the superficial vessels.

14. Aavart - The frontal branch of the superficial vessels.

15. Sthpnyam - nasal branch of frontal veins.

16. Avedhya sira of Temporal joint (sankh sandhigata) – Superficial temporal vessels.

17. Avedhya sira of head (murdha)

18. Utkshep-parital branch of superficial temporal

19. Simant and Adhipati-Occipetal and superficial temporal

## **DISCUSSION**

1. In upper extremity Jaldhara is considered as cephalic vein it is contra indicated because cephalic vein is the principal vein of the upper extremities and due to severe blood loss there can be a severity

2. In lower extremities it is considered as great saphenus vein which is also an important vein continuation with the dorsal venous plexuses. Due to venesection of this it can cause severe blood loss and lead to harmful conditions.

3. Urvi is considered as brachial and femoral veins those can cause of severe blood loss and again there may be seen a causality by puncturing them.

4. Lohitaksh is considered as axillary vein and profunda femoris vessels. In Shushrut

samhita for this is quoted "Lohitkshayenmarnam".

5. Vitap and Katiktaran are the veins for the gonads and the gluteal region by venesection of these there may be necrosis of gonads and the gluteus muscles

6. Vrihiti is regarded as the sub scapular vessel by venesection of this there may be the complication of nerve injury and lead to the paralysis and blood loss also.

7. Aplap, Apstamb, Stanmul, Stanrohit - These can be considered as Coronary vessels, Internal mammary vessels, Intercostal vessels, lateral thoracic vessels these are the vein nearer to heart, by venesection there may be adverse effect to the heart.

8. Marma sangya Internal and external Carotid arteries and Juglarveins. Krikatika-Occipital vessels Vidhur-Post Auricular arteries andveins. These are also the vein contra indicated for venesection because of closer to the heart and related to the vital component of the body.

9. Sandhidhamanyau - Internal maxillary vessels by puncturing them it lead to Manyastambh due to the lack of blood in the Hanu.

10. Rasvahe, Vagvahe these can be regarded as Profunda linguae vessels by the venesection of these vessels necrosis of tongue may be seen.

11. Aupnasikaschya - These can be considered as Angular artery andveins there may be severe blood loss in the little's area, so it is contraindicated for venesection.

## CONCLUSION

The total no. of sira is seven hundred out of these Avedhya sira are ninety eight except these Avedhya sira other Sira can be punctured are called Vedhya sira. there are several examples of Vedhya sira in our literatures by puncturing them many diseases can be cured. That is why Acharya Shushruta said to Sira vedhan "Half treatment" or Chikitsardh. There we can see that Avedhya sira are the Anatomical structures which are either deep vessels or the vessels which can lead to harmful effects by puncturing them. So this is the perfect indication for physician to avoid Vedhan (puncturing) of these Avedhya sira.

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