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## MANAGEMENT OF SINUS TRACT WITH KSHARASUTRA - A CASE STUDY

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#### **ABSTRACT**

Naadivrana is nothing but a tract due to not being treated the vrana shopha as per Ayurveda. Naadivrana can be correlated with sinus tract because it is chronic non healing, discharging, blind tract lined with unhealthy granulation tissue which may be epithelialized, it may have cavity which connects to skin. In this case study, patient is having sinus tract in the scrotum which is blind externally treated with kshara sutra which decrease the pain, pus, discharge etc, and duration of treatment. Patient cured completely within 5 week of treatment there is no side effect or complication seen. The treatment undertaken was very effective as it reduced duration of treatment and it is proved very effective.

Keywords: nadivrana, vranashopha, ayurveda, kshara sutra

#### INTRODUCTION

In Ayurvedic science, Acharya Sushruta described sinuses under the heading of Naadivrana along with their symptoms and management. According to Sushruta the irresponsible person who makes a suppurated inflammation for an unripe one, ignores a suppurate one, or when a patient allows a lot of pus to accumulate in an ulcer then that pus having entered into his aforesaid tissues (lie skin, subcutaneous tissue, muscle) penetrates inside because of copious flow, it is known as "gait" (track) and as it flows like a drain, it is opened as naadi, that is caused by a combined action of the three dosh or due to each one

of them separately and also due to two together only, another one is due to Agantuja shalya. According to acharya sushruta, a surgeon should excise a sinus using a sutra that is prepared out kshara.

## **Case Report:**

Patient name: Abdul Hadi, Age/sex: 45/M, O.P.D.no: 21037227, Date of Admission: -12-12-21, Date of discharge: -21-02-22

Religion: - Muslim Occupation: - Teacher

## **Chief Complaints:**

- → Scrotal pain ++
- → Pus discharge through the opening
- → Difficulty in walking and sitting. For 2 years
- → Constipation
- → Bleeding from a tumor on & off
- $\rightarrow$  swelling

## **Associate complaints:**

- → Hard stool
- → Fever
- → General weakness

### **Past History:**

The first Patient had acute inflammation of the deep scrotal wall then he developed left epididymis showing a small thin-walled cyst gradually he developed the tract from the scrotum extended into the perineum.

The patient had a history of I & D treatment.

**Personal History:** BP: 180/80mmHg, the Pulse rate: 74/min, Temperature: 98.6°C, Respiratory rate: 20/min, Wt.: 105kg, RBS: 123 gm./dl, CVS: S<sub>1</sub> S<sub>2</sub> heard, R.S: bilateral lung field clear., C.N.S: conscious oriented, Digestive system: constipated

### **Family History:**

- The patient has a family history of constipation.
- No such history of fistula in ano seen.
- No such history of BP or DM or any other major illness.

**History of present illness:** The patient is having severe pain in the scrotum, pus discharge, bleeding, difficulty in walking, he visited a local hospital took symptomatic treatment, but no relief was seen, then went to Dr. Shakeel Surekha hospital in Raichur he has undergone I &D Treatment, but it reoccurred.

Again, he took treatment in local hospitals then he went to homeopathic treatment, but no changes were found, hence he came to our hospital for further treatment.

#### **Local Examination:**

- A small sinus was seen in scrotum which opens near the perineum
- Tenderness ++
- Pus discharge from the opening

Diagnosis: Scroto- perineal sinus tract

**Investigations:** CBP, CT, BT, RBS, HIV, HbsAg, CUE

#### **Treatment:**

#### **Preoperative Treatment:**

- → Patient consent should be taken.
- → Part preparation is done.
- → Injection T.T 0.5ml td
- → Injection xylocaine td

## **Operative Treatment:**

- → Ask the patient to sleep in a lithotomic position.
- → Under all aseptic precautions and local anesthesia, the Probing was done, and another small nick is given on the other end of the tip of the probe. And tract is identified.
- → So, there will be a 5-6cm sized track found. Primary threading was done with a normal Barbour thread.

#### **Post-operative treatment:**

- → Yashtimadhu taila pack is kept and dressing is done to reduce the painful burning sensation.
- → Inj. Divon Aq given IM
- → To reduce inflammation oral antibiotics and antiinflammatory drugs were prescribed for 3 days.
- → Advise sitz bath daily after that apply vashtimadhu taila.

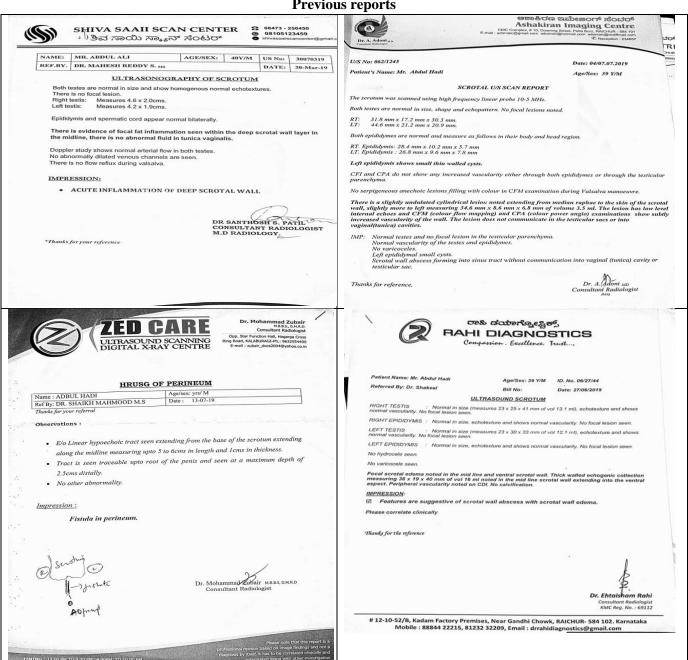
#### **Conservation:**

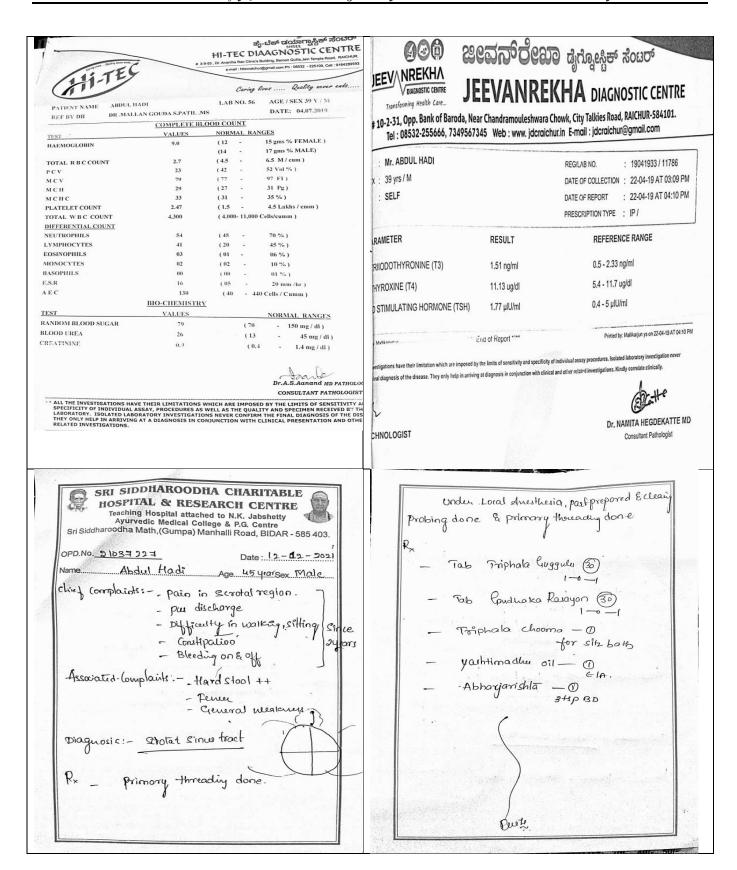
Tab Triphala Guggulu 1 - 0 - 1

- $\rightarrow$  Tab Gandhak Rasayan- 1 0 1
- $\rightarrow$  Triphala chooma for sit bath
- → Abhyarishta 3tsp -0- 3tsp

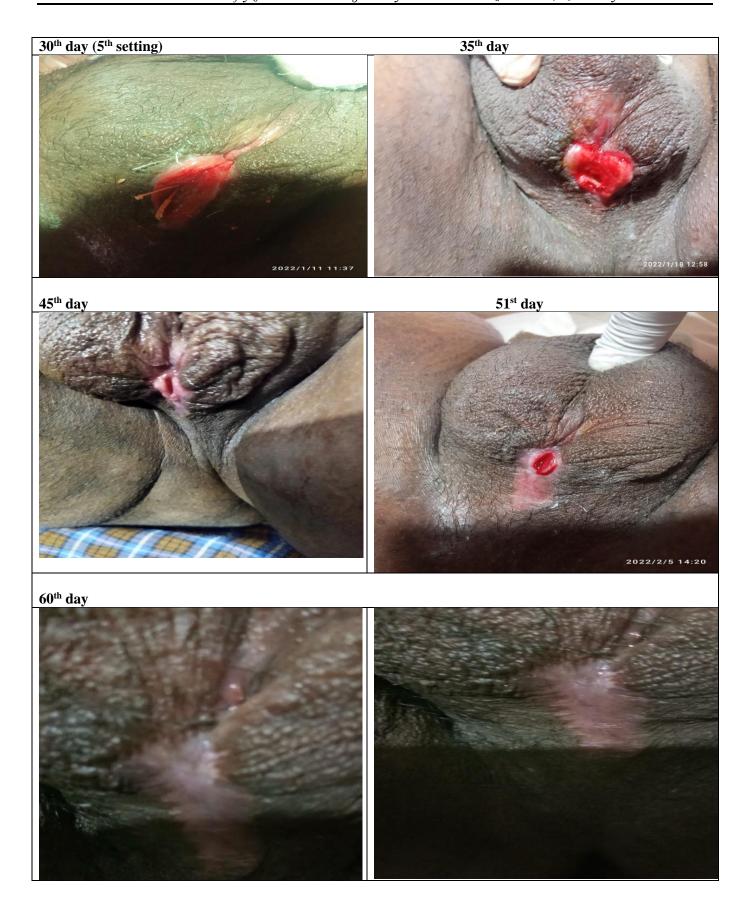
**Follow-up:** Ask the patient to come for a follow-up every week to change kshara sutra.

## **Previous reports**









#### DISCUSSION

The treatment adopted to treat sinus tract proved to be very effective. Itvreduce healing time, Kshara sutra is medicated caustic thread coated with alkaline drugs like Apamarga, snuhi latex as a binding agent, and Haridra powder, this combination of medicine coating on thread helps in the debridement of necrosis tissues, slough. It can perform excision, incision, scraping, and also acts as anti-fungal, anti-bacterial & anti-inflammatory. Another mechanism is that it enhances the growth of unhealthy granulation tissue.

Triphla guggulu worked as antiinfective preventing secondary infection as well as a mild laxative and analgesic.

The whole time period of treatment was around two months.

## CONCLUSION

In ancient times acharya sushruta mentioned kshara sutra therapy in Naadivrana chikitsa. In this case study, minimum tissue loss is seen in comparison to the other surgery. Minimal bleeding occurs & there is no reoccurrence and any other complaints. This kshara sutra therapy is satisfactory in the management of the scroto-perineal sinus tract. It's not only curing the track but also minimizes the rate of complication, and reoccurrence and enables the patient to work and participate in normal social activities within a short period. It is good therapy in terms of the cost of treatment.

### **REFERENCES**

- 1. Soman Das's concise textbook of surgery published by Dr. S Das edition 2006 page no-1099.
- Baily and love's short practice of surgery published Holder Arnold London edited by R.C.G. ruses Ella, Normans, William Christopher J K, 24<sup>th</sup> edition 2004, page no249, 250.
- 3. `kaviraj ambikadatta shastri, Maharshi- Sushruta's, Sushruta Samhita Ayurveda-tattva Sandipika, publications, new Delhi, part 1 reprint 2010 nidana sthana chapter 17, shloka 14, page no 348 and chikitsa sthana, chapter 17, shloka 29-33, page no-101.

4. Ambikadatta shastri, sushruta samhita of maharishi sushruta edited with Ayurveda tattva Sandipika. Kaviraja, nidana sthana, visrpa-nadi-sthanaroga nidana, chapter 10/10, Chaukamba Sanskrit sansthan Varanasi, reprint; 2007.p.268.

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