

## A CASE STUDY OF ERAND TAIL YONIPICHU EFFECT ON CERVICAL SOFTENING W.S.R TO D AND E

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### ABSTRACT

Castor oil is one of the most popular method for labour induction, as oil has the property to soften the tissue, here the aim of the study is to study the effect on cervical softening prior to D AND E.

**KEYWORD:** Castor oil is one Castor oil is one prior to D AND E.

### INTRODUCTION

PV bleeding and absence of cardiac activity leads to psychological trauma to the mother and her family.

Knowing all the effect of ERAND, THAT IS SNIGDA, USHNA AND TIKSHA AND SHUKSMA and oil is known to act on vata taking this properties in consideration eranda oil is used. Yonipichu is an easy procedure and hence can be kept before D & E.

**Hypothesis:** ERANDA OIL YONIPICHU is effective in cervical ripening w.r.t D & E.

**Null Hypothesis:** ERANDA OIL YONIPICHU is not effective in cervical ripening w.r.t D & E.

### AIM

To study the efficacy of ERAND TAIL YONIPICHU effect on cervical softening w.s.r to D and E.

### OBJECTIVES

1. To avoid perforation.

2. To avoid Stenosis.
3. To prevent mechanical spasm.
4. To prevent cervical tear.

### **Anatomy**

The human cervix consists mainly of extracellular connective tissue. The predominant molecules of this extracellular matrix are type 1 and type 3 collagen, with a small amount of type 4 collagen at the basement membrane. Intercalated among the collagen molecules are glycoaminoglycans and proteoglycans, predominantly dermatan sulfate, hyaluronic acid, and heparin sulfate. Fibronectin and elastin also run among the collagen fibres.

### **Cervical Ripening**

Is associated with decreased collagen fiber alignment, decreased collagen fiber strength diminished tensile strength.

### **Yonipichu**

It is a special treatment modality in ayurveda where sterile medicated cotton swab is kept inside the vagina.

Pichu means cotton ball. Yonipichu is the application of a sterile cotton swab soaked in medicated oil in the vagina.

### **Chemical Composition**

It is a vegetable oil. Colorless having a distinct odour oil.

### **Purva Karma**

For female patients in whom the procedure is planned gynaecological examination is done to rule out any vaginal infections., if signs of infection are present procedure is withheld.

### **Pradhankarma**

Preparation of patient, if the patient is found fit for the procedure, she is asked to empty the bladder and to lie in lithotomy position on examination table. Vaginal area is cleaned by antiseptic solution, under all aseptic precaution, the sterilized cotton ball is covered with a sterile gauze piece and a tail is made using the gauze so that it can be removed by the patient herself at the end of procedure. The sterile cotton ball is soaked in the desired medicine which is made luke warm and introduced vaginally under aseptic precautions.

**PASCHAT KARMA**

After the procedure she is asked to lie in supine position for 10 minutes and then is allowed then allowed to leave. The pichu is retained till the sensation of micturation. Then it is removed by pulling the gauze tail after sitting in squatting position.

**CASE 1**

A 23 Years Old Patient, Obsteric History-, G1-Abortion 2months Spontaneous, G2-Present Gravida Pt Having Amenorrhea Of 10 Week, **C/O-P/V Bleeding**.

**OBSTETRIC USG-2/6/17**

Single irregular intrauterine gestational sac of 5w.6d, finding s/o-missed abortion, Pt was posted for D & E on 5/6/17 Yonipichu was soaked with eranda oil was kept in vagina one night prior to the operative.

**RESULT AND OBSERVATION**

Cervix was soft and relaxed, hegar dialator was introduced gently and without any resistance, so dilatation was easy and procedure was carried out uneventfully.

**CASE 2**

A 24 yrs primi patient with gestation age 12.1 week. with c/o-abdominal pain with p/v bleeding (spotting bright red) hence admitted in hospital.

**USG 1/7/17**

CARDIAC PULSATION ABSENT

NON VIABLE GESTATION

PATIENT WAS POSTED FOR D&E ON 3/7/14

YONIPICHU SOAKED WITH ERANDA OIL WAS KEPT IN THE VAGINA ONE NIGHT PRIOR TO THE OPERATIVE.

RESULT AND OBSERVATION

CERVIX WAS SOFT

DIALATOR WAS INTRODUCED GENTLY AND PRODUCTS OF CONCEPTION WAS REMOVED. PROCEDURE WAS CARRIED OUT UNEVENTFULLY.

**CASE 3**

A 30 years g2 patient, g1-female child of 3yrs, full term normal delivery,g2-11.3 wks,c/o-abdominal pain and p/v bleeding. hence posted for D and E.

Obstetric usg- gestation age-11.1 wks.

Cardiac pulsation absent and posterior sub chorionic bleed (32x8 mms).

Patient was posted for D&E on 8/7/17.

## RESULTS

Cervix was soft, dilator was passed gently products of conception was removed and procedure carried out uneventfully.

## Mode of Action

Hence from above study and taking eranda taila guna into consideration it can be said that errand taila can be used prior to D&E procedure for cervical softening. As eranda is described as **Vrushya Vataharanam Shreystham**. Hence it reduces the sthanik ruksta and shuskta.

Also sneha is described as **Sneha Mardavkaranam Shreystham**. Oil softens the cervix.

Also eranda sneha does the anuloman of vata.

## PANCHBHAUTIK

As cervix is a soft tissue and mainly mansal organ. Compostion of pritvi and aap mahabhoot forms it. Hence oil can penetrate through membranes.

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