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Review Article

THERAPEUTIC MANAGEMENT OF UTERINE FIBROID/GARBHASHAYAGATA GRANTHI WITH AYURVEDA

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Article info

ABSTRACT

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| Garbhashayagata |
|--------------------------|
| <i>granthi</i> , Uterine |
| fibroid, |
| Garbhashaya |
| shuddhi, |
| Granthihar, |
| Raktashuddhi. |
| |

Uterine fibroids are fibrous growth in myometrium of the uterus also known as leiomyomas are increasing, prevalence in reproductive age is 20 to 50% and 30% in perimenopausal age. Leiomyomas, are benign smooth muscle neoplasms most of the time are asymptomatic and are found out during routine examination, some show complaints like pain, pressure sensations, dysmenorrhea or abnormal uterine bleeding. Conventional Management of uterine fibroid includes oral contraceptives, hormonal injections or IUD and surgery to meet urgent need of the patient, but challenges remain to establish a satisfactory conservatory medical treatment till date. As standard treatment gives Symptomatic relief and has recurrence if medicine discontinued, Whereas Ayurveda has a holistic approach in treatment and restores balance naturally. The following case report proffers the management of a female diagnosed with uterine fibroids. In this case a 45-year-old woman visited clinic with complaints of bleeding p/ v for two months and lower back ache. The case report illustrates the before and after reports, after taking 2 months treatment at Jeena Sikho life care limited Hospital, Kanpur, Uttar Pradesh.

INTRODUCTION

Uterine fibroid, a benign growth in the uterus that often appear during childbearing age of female and in perimenopausal age also known as fibromyomas, leiomyomas or myomas affecting the fertility, quality of life and work productivity. Fibroids exert excessive pressure on the adjacent organs causing frequent urination, the fibroid mass in uterus is cause of infertility and recurrent abortions, dysfunctional uterine bleeding which often leads to anemia is the major cause of hysterectomy.^[2]

Fibroids are the inappropriate growth of the muscles tissue of the uterus there are three major types of uterine fibroids^[1]. The muscular uterine wall contains the intramural, submucosal, and subserosal



fibroid, which grow inside it, bulge into the uterine cavity, and extend outside the uterus respectively.^[3]



Uterine fibroids are referred as *Granthi* in Ayurveda. The nodular mass that develops due to localization of morbid body humors in body tissue, and is relatively hard and tough, glandular or nodular swelling; knotty, hard and rough appearance. Uterus is *Garbhashaya* and fibroids are *Granthi* so uterine fibroids can relate to *Garbhashaya granthi*^[4]. The *Granthi* shows the *Samprapti* as vitiated *Tridoshas,* vitiate *Rakta* (blood), *Mamsa* (fleshy/muscles), and *Meda* (fat/adipose tissue) that are admixed with *Kapha* produce glandular and hard swelling called *Granthi* ^[5].

Case Report

45-year female reported to Jeena Sikho Life Care Limited Hospital, Kanpur, Uttar Pradesh, with symptoms of bleeding p/v within 16 days of interval and back ache.

USG report shows bulky uterus with uterine fibroid of size 3×3.8 cm.

Table 1

| Parameter | Findings | Parameter | Findings |
|----------------|--------------|-----------|------------------|
| Blood Pressure | 110/70 mmHg | Pulse | 105 / min |
| Weight | 60.90 kg | Spo2 | 98% |
| Nadi | Vataj Pittaj | Jivha | Saam |
| Agni | Mandya | Urine | Ishat-peet varna |
| Mala | Baddha | Sleep | Prakrit |
| Eyes | Avikrita | Nails | Prakrit |

OBSERVATIONS

| Table 2 | | | | |
|-------------------------------------|------------------|--------------------|--|--|
| Date | 27/09/2024 | 09/12/2024 | | |
| Treatment | Before treatment | After treatment | | |
| Bleeding | Excess | normal | | |
| Interval between 2 menstrual cycles | 16 days | 27 days | | |
| Pain during menstruation | Present | Significant relief | | |

Objective Criteria

Table 3 Date 27/09/2024 09/12/2024 Treatment Before treatment After treatment Size of uterus 10.2* 3.5 * 4.6 cm 7.52 * 3.56 * 3.84 cm Size of fibroid 3.0 * 3.8 cm No focal mass lesion

Treatment Plan

Ayurvedic Diet

पथ्यं पथोनपेतं यद्यच्चोक्तं मनसः प्रियम्|

यच्चाप्रियमपथ्यं च नियतं तन्न लक्षयेत्।।४५।।

मात्राकालक्रियाभूमिदेहदोषगुणान्तरम् (१) ।

प्राप्य तत्तद्धि दृश्यन्ते ते ते भावास्तथा तथा।।४६।।

तस्मात स्वभावो निर्दिष्टस्तथा मात्रादिराश्रयः।

तदपेक्ष्योभयं कर्म प्रयोज्यं सिद्धिमिच्छता।।४७।।[12]

- Avoid wheat, refined foods, dairy, coffee, tea, and packaged foods.
- Do not eat after 8 PM.
- When eating solid foods, take small bites and chew each bite 32 times.
- Alcohol to be avoided.

Hydration

• Sip 2 litres of hot water throughout the day and consume Herbal tea twice daily. To prepare 600ml of Herbal tea, combine 2 cloves, 5 cardamom pods,

20 black pepper seeds, 2 cinnamon sticks, and a spoon of fennel seeds with hot water.

- Drink alkaline water (750ml/day), made with ½ cucumber, ½ lemon, ginger, turmeric, tomato, 3 green chilies, coriander, mint leaves, and *Tulsi*.
- Drink red juice made up beetroot, pomegranate and carrot
- Green juice made up of curry Leaves, *Neem* leaves by adding water in them.
- Intake of 10 to 15ml of cow urine early in the morning empty stomach.

क्षीरमूत्रं पिबेत् पक्षं गव्यं माहिषमेव वा||६४|| पाण्डुर्गोमूत्रयुक्तं वा सप्ताहं त्रिफलारसम् [13]

Meal Timing and Structure

- Early morning (5:45 AM): Chew 2 cloves, crushed garlic, and curry leaves.
- Breakfast (9:00 AM): Seasonal fruits like pomegranate, cucumber, tomato, or guava (weight × 10kg).

- Morning snacks (11:00 AM): *Mugda yusha*, red juice, and 4-5 soaked almonds.
- Lunch (12:30 PM 2:00 PM): Plate 1: salad (weight × 5kg) and Plate 2: millet recipes with proper hydration.

स्वादुरम्लविपाकोऽन्यो व्रीहिः पित्तकरो गुरुः।१०| बहुमूत्रपुरीषोष्मा, त्रिदोषस्त्वेव पाटलः।११ भग्नसन्धानकृत्तत्र प्रियङ्गुर्बृंहणी गुरुः।।१२।।[14]

Evening snacks: Green juice (100-150ml).

• Dinner (6:00 PM): Salad and fermented millets with chutney.

Fasting

Fast once a week with fruits, coconut water, plain water.

Special Instructions

- Sit in sunlight for 1 hour, morning and evening, with feet soaked in lukewarm water while chanting LUM, VUM, RUM, YUM, HUM, OM, and AUM in *Gyan Mudra* position.
- Offer thanks to the divine before eating or drinking.

DISCUSSION

Samprapti and Treatment^[6]

Lifestyle Recommendations

- ब्राह्मे मुहूर्त उत्तिष्ठेत्स्वस्थो रक्षार्थमायुषः^[15]
 Wake up early in the morning time.
- হ্বানী येनासौ न कार्यस्तं दर्शयति वातपित्तामयी बालो वृद्धोऽजीर्णो च तं त्यजेत्। ११ ^[16] Practice meditation for stress relief. Perform Yoga (*Sukshma Pranayama* and *Sukhasana*) for 40 minutes daily.
- 3. Do oil pulling every day.
- 4. Ensure 6-8 hours of restful sleep each night.
- 5. Follow a structured daily routine for balance and organization.

RESULTS

In this case study ultrasonography used as the sole diagnostic tool to confirm the diagnosis of uterine fibroid and evaluate the management results. The patient reported the normal study on ultrasonography after the duration of 8 weeks. Clinically patient got improvement in all the gynaecological complaints, which the particular patient had.



In the *Samprati* (pathogenesis) of *Garbhashaya Gata granthi*, it is mentioned that *Vata, Kapha* dominating *Tridoshas* and *Mamsa* (muscle fibres), *Rakta* and *Medo Dhatu* are vitiated.

ग्रन्थ्यर्बुदानाां च यतोऽविशेषः प्रदेशहेत्वाकृवतदोषद्रष्यः | ततविवकत्सेद्धिषगर्बुदावन विधानविद्वद्धिवचवकद्धत्सतेन॥८७॥

तताववकत्साद्भषगषुदावन् ।वधानावद्गाद्भवचवकद्भततन॥८७॥

There is no much difference in nodules and tumors with regards to site, causative factors, shape, *dosha* morbidity and *Dushya* (susceptible tissues). Therefore, tumor specialist should treat the tumor on the line of nodules described above ^[7].

According to Sushruta, an *Arbud* is a circular, immobile growth that is caused by vitiated *Dosha*. It produces little pain to the *Mamsa* but has deep roots, is spread out over a large area at the expense of tissue, and causes widespread swelling. This tumor, or *Arbud*, does not suppurate and grows slowly ^[7]. However, as a physician, Charak does not think that there are many differences in the treatment of *Arbud* and *Granthi* because their sites, shapes, causative factors, *Dosha* morbidity, and *Dushya* (sensitive tissues) are similar^[7].

Acharaya Sushruta says the Nidan of Shoph like intake of Gramya Mamsa, Ajeerna Ahara, Diwaswapna etc are also causative factors for formation of Granthi. Acharya Vaghatt says disease pertaining to female genitalia is not possible without the involvement of Vata and further describes Dushta Bhojana, Dushta Artav, Beej Dosha and Daivta as causative factors^[10]. Dushta bhojan include factors that vitiate Mamsa and Medho Dhatu like Guru Abhishyandhi Bhojan along with Mithya Viharas like Divaswapna, Avyayama etc lead to Agni Vaishamya and Sroto Vaigunya. Varying types of chromosomal abnormalities like translocation, deletion, trisomy associated with fibroids signifies to Beej Dushti. Dhatus takes nutrients required from circulating fluid through Srotas (pores) by the action of Dhatwagni.

Kha Vaigunya and more Ama creation result from abnormalities in Agni's functions. In vulnerable people, the Saam rasa causes Dhatwagnimandya, which further vitiates Dushyas like Rakta and Mamsa. Among the Vriddhi and Dusthi Lakshanas of Mamsa, *Dhatu, Granthi* is listed. *Granthi* forms in *Garbhasaya* as a result of the vitiation and aggregation of *Mamsa Dhatu* caused by *Kha Vaigunya* ^[8].

Raj Kaal can be understood as the *Poorvaroop* (prodromal stage) where signs of *Srotodusti* such as *Atipravriti* (excessive flow) and *Sanga* (obstruction) are observed. The pathological process involves the *Rasa, Rakta, Mamsa, Meda,* and *Artavavaha Srotas,* which contribute to the development of *Garbhashaya Vikriti* (uterine pathology) ^[9]. During the *Vyakta* stage of *Shadkriyakala,* when the disease becomes fully manifest and intensified, symptoms begin to appear ^[8].

When these pathological changes occur in the *Garbhashaya* (uterus), there is an increase in its surface area, leading to pressure on nearby organs. This results in symptoms such as lower back pain and pelvic discomfort, particularly when the expanding uterus compresses adjacent structures like the urinary bladder and rectum, causing urinary or fecal incontinence or retention. These changes can also distort the shape of the uterus, leading to *Apana Vaigunya* (vitiation of *Apana Vayu*) ^[8].

The process of *Artava Nishkramana* (menstrual expulsion) is governed by *Apana Vayu*. Contributing factors such as consumption of *Rooksha* (dry), *Guru* (heavy) food, suppression of natural urges (*Vegadharana*), and excessive physical activity (*Chakramana*) aggravate *Apana Vayu*, leading to increased uterine contractions and resulting in *Artava Ruja* (painful menstruation or dysmenorrhea) ^[8].

Furthermore, in susceptible individuals, intake of *Vidahi* (pungent), excessively salty (*Ati-Lavana*), sour (*Amla*), and spicy (*Katu*) foods, as well as consumption of *Anoopa* and *Audaka Mamsa* (meat from marshy and aquatic animals), vitiate *Pitta* and *Rakta* along with *Vata*. This causes an abnormal increase in *Rakta Pramana* (volume of blood) within the *Rajovaha Siras*, leading to *Artava Atipravriti* or *Asrigdara* (excessive menstrual bleeding). The expanded surface area within the uterine cavity further contributes to irregular menstrual patterns, manifesting as menorrhagia or metrorrhagia ^[8].

| | Table 4 [11] | | , |
|-------------------------------|---|--|---|
| Aushadhi | Dravya Pradhan (Active principle) | Dose | <i>Karmukatva</i> (action) |
| <i>Amlapittahar</i> Powder | Shunthi (Zingiber officinale Rosc.), Marich (Piper nigrum), Pippali (Piper longum), Amalaki (Emblica officinali Linn.), Vibhitak (Terminalia bellirica Roxb.), Haritaki (Terminalia chebula Retz.), Musta (Cyprus rotundus), Sukshm Ela (Elettaria cardamomum Maton), Tvak Patra (Cinnamomum zeylanicum), Vidang (Embelia ribes), Beed Lavana, Lavang (Szygium aromaticum Linn), Trivritt (Operculina turpenthum), Sharkara | Half a teaspoon BD (<i>Adhobhakta</i> with <i>Koshna jala</i>) | Pittashamak, Shothaghna, Tridoshghna, Pachana |
| Raktstambhan Vati | Shuddh Parad, Shuddh Gandhak, Giloy (Tinospora cordifolia), Heeradokhi (Daemenorops draco), Semal (Bombax ceiba) | 1 Tab BD (<i>Adhobhakta</i> with <i>Koshna jala</i>) | Rakta sthambhan |
| <i>Granthihar</i> Tab - | Kachnar (Bauhinia variegata), Guggulu (Commiphora mukul), Amalaki (Emblica officinali Linn.) Vibhitak (Terminalia bellirica Roxb.), Haritaki Terminalia chebula Retz.), Shunthi (Zingiber officinale), Marich (Piper nigrum), Pippali (Piper longum), Varun (Creteva religiosa), Sukshm Ela (Elattaria cardamomum Maton), Dalchini (Cinnamomum zeylanicum), Tamal Patra (Cinnamomum tamala) | 1 Tab BD (<i>Adhobhakta</i> with <i>Koshna jala</i>) | Lekhan, Vata- Kaphaghna, reduce size of Granthi/ Arbuda. |
| GE-LIV Forte | Bhringraj (Eclipta alba), Kuchri (Curcuma zedoaria), Kalmegh (Andrographis paniculata), Kutki (Picrorhiza kuro), Vidang (Emblica ribes), Nishoth (Operculina turpenthum,) Daruharidra (Berberis aristata Dc), Chitrak mool (Plumbago zeylanica), Bhumiamla (Phyllanthus niruri) | 10ml BD (Adhobhakta with Samamatra Koshna jala | Deepan, Pachan, Yakruttojeka, Shodhan |
| Garbha Shuddhi | Gandamala marak, Pradarantak loh, Ashwagandha (Withania somnifera), Shatpushpa (Anethum graveolens), Gudmar (Gymnema sylvestre), Guduchi (Tinospora cordifolia), Haridra (Curcuma longa) | 1 Tablet BD (<i>Adhobhakta</i> with <i>koshna jala</i>) | Lekhan, Vata- kaphagna, Artav shodhak |
| <i>Divya Shakti</i> Powder | Shunthi (Zingiber officinale Rosc.), Marich (Piper nigrum), Pippali (Piper longum), Amalaki (Emblica officinali Linn.), Vibhitak (Terminalia bellirica Roxb.), Haritaki (Terminalia chebula Retz.), Musta (Cyprus rotundus), Vidang (Emblica ribes), Chhoti elaichi (Elettaria cardamomum), Tej patta (Cinnamomum tamala), Laung (Sygygium aromaticam), Nishoth (Operculina terpenthum), Sendha namak, Dhaniya (Coriandrum sativum), Nagkesar (Meseua ferrea), Anardana (Punica granatum), Badi elaichi (Amomum sabulatum), Hing (Ferula asafoetida), Kachnar (Bauhinia variegata), Ajmod (Apium graveolens Sazzikhar), Pushkarmool (Inula recemosa), Mishri (Polygonatum cirrhifolium) | Half a teaspoon HS (<i>Nishikal</i> with <i>Koshna jala</i>) | Aam Pachana, Virechana |
| Renal Stone Removing | Gokshur (Tribulus terrestris), Pashan bheda (Bergenia ligulata Wall.) Shilajeet (Asphaltum | Half a teaspoon BD (<i>Adhobhakta</i> | Lekhan, Mootral |

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| | AYUSHDHARA, 2025;12(2):245- | | |
|------------------------|--|---|--------------------------------------|
| Powder | punjabianum), Hazrul Yahuda bhasma (Lapis judaicus) | with Koshna jala) | |
| Sandhi Arogya | Sounth (Zingiber officinale Rosc), SyahJeera (Cuminum cyminum Linn), Shilajeet (Asphaltum punjabianum), Abhrak Bhasm, Ashvagandha (Withania somnifera), Shallaki (Boswellia serrata), Guggul (Commiphora wightii), Yavani (Trachyspermum ammi), Chandrasoor (Lepidium sativum), Rason (Allium sativum), Nirgundi (Vitex nigundo), Hemvati (Leptadenia reticulata (Retz.), Suranjan (Colchicum luteum Baker), Parijata (Nyctanthes arbortristis L), Vaya Vidang (Embelia ribes) | 1 Tablet BD (Adhobhakta with Koshna jala) | <i>Deepan, Pachan,</i> relieves pain |
| Ladies Tonic | Aloevera (Aloe barbadensis), Sounth- (Zingiber officinale), Kali Mirch (Piper nigrum L), Dalchini (Cinnamomum zeylanicum), Tej patra (Cinnamomum tamala), Badi Elachi (Amomum subulatum), Nag kesar (Mesua ferrea), Chitrak (Plumbago zelanica), Daruhaldi (Berberis aristata), Chavya (Piper retrofractum), Hauber (Pavonia odorata Wild), Dhania (Coriandrum Sativum), Nagarmotha (Cyperus rotundus), Harad (Terminalia chebula Retz.), Baheda (Terminalia chebula, Amla (Embelica officinale), Rasna (Pluchea lanceolata), Devdar (Cedrus deodara), Haldi (Curcuma longa), Daru Haldi (Berberis aristata), Danti Mool (Baliospermum montanum (Willd.) Muell.), Bala (Sida cordifolia), Atibala (Abutilon indicum (Linn.), Kounchbeej (Mucuna pruriens), Gokhru (Tribulus terrestris), Sounth (Zingiber officinale Rosc), Akarkara (Anacyclus pyrethrum), Punarnava (Boerhavia diffusa), Shalparni (Desmodium Gangeticum), Gambhari (Gmelina arborea), Ashok Chhaal (Saraca indica L), Kakad Singhi (Pistacia integerrima), Meda (Polygonatum verticillatum), Gambhari (Gmelina arborea), Patha (Cissampheloes pareria), Patla (Stereospermum suaveolens), Chitrak (Plumbago zeylanica), Sariva (Hemidesmus indicus), Kalajeera (Nigella sativa), Nishot (Operculina turpethum), Priyangu (Callicarpa macrophyll), Khair Chhaal (Acasia catachu (L.) | 10ml BD (Adhobhakta with Samamatra Koshna jala | Garbhashya balya, Artav shodhak |
| Kidney Shuddhi Arka | Kakmachi (Solanum nigrum Linn), Shwet punarnava (Boerhaavia diffusa), Kasni (Dolomiaea costus), Varun (Crataeva nurvalla) | 10ml BD (Adhobhakta with Samamatra Koshna jala | Kapha shamak, Mootral |

The contents of the drugs in Table no. 4 have analgesic and anti-inflammatory scraping properties. Combination of above formulations possesses *Laghu* (light), *Ruksh* (dry), *Tikshna* (sharp), *Vishad* (clear), *Sar* (mobile), *Dipan* (stomachic enkindle the digestive fire), *Anuloman* (agents removing *Dosha* in downward direction), *Lekhan* (scraping), *Medohar, Kapha-Daurgandhya-Har, Hridya* (cardio protective), and *Raktaprasadan* (blood purifying agents) properties and is useful *in Medo dushtijanya Granthi Vikar*. After 2month of regular medications abdominal sonography repeated, in this report no focal mass lesion found. A *Rasayana* formulation like ladies tonic was utilized for avoid recurrence after this report.

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Need for Further Research

Studying uterine fibroids is crucial because they are a very common noncancerous uterine tumor affecting many women, often causing significant symptoms like heavy menstrual bleeding, pelvic pain, and fertility issues, highlighting the need to understand their development, diagnosis, and effective treatment options, especially as current knowledge gaps exist regarding their exact causes and optimal management strategies across different patient populations.

CONCLUSION

The presence of uterine fibroid during reproductive life in a female, regardless of age, can lead to various menstrual problems like dysmenorrhea, menorrhagia, and irregular periods by disrupting anatomical and physiological integrity. The patient reported the normal study on ultrasonography after the duration of 8 weeks. Medical management of this problem is possible on the basis of *Ayurvedic* fundamental principles like *Agni Deepan, Pachan, Vatanuloman, Lekhan* and *Rasayana*^[7]. To prevent recurrence, it is important to use medicated ghee, *Panchakarma* therapies like *Vaman* (emesis) and *Virechan* (purgation) on regular intervals. After the elimination therapies, it is important to maintain a healthy diet.

This study showed that the bleeding had normalized after the above medications and the interval between consecutive cycles had improved. After treatment, no focal mass lesion was seen on sonography.

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