



ISSN 2456-3110

Vol 8 · Issue 10

October 2023

Journal of  
**Ayurveda and Integrated  
Medical Sciences**

*www.jaims.in*

**JAIMS**

An International Journal for Researches in Ayurveda and Allied Sciences



**Maharshi Charaka**  
Ayurveda

**Indexed**

## Clinical understanding of the *Mutraghata* and *Mutrakrucchra* in purview of *Sushruta Samhita*

Jambavathi S<sup>1</sup>, Srinivas Masalekar<sup>2</sup>

<sup>1</sup>PhD Scholar, Department of PG and PhD Studies in Shalya Tantra, Government Ayurveda Medical College, Bangalore, India; also working as Assistant Professor, Department of Shalya Tantra, Sri Kalabyraveshwara Swamy Ayurvedic Medical College, Hospital & Research Centre, Bangalore, India.

<sup>2</sup>Professor & HOD, Department of PG and PhD Studies in Shalya Tantra, Government Ayurveda Medical College, Bangalore, India.

### ABSTRACT

*Sushruta Samhita* has immense explanation of all the diseases including the *Mutravaha Srotas Vikara* (Urological disorders). Diseases like *Mutrashmari*, *Mutraghata* and *Mutrakrucchra* are well explained in this *Samhita*. *Mutrashmari* is explained in *Nidana* and *Chikitsa Sthana* of *Sushruta Samhita* since it is one among the *Ashta Mahagada*, whereas the detailed explanation regarding *Mutraghata* and *Mutrakrucchra* can be noted in *Uttara Tantra* which is the contribution of *Acharya Nagarjuna*. *Mutraghata* and *Mutrakrucchra* comprises of broad spectrum of several Urological disorders. Hence the understanding the *Nidana*, *Samprapti*, *Lakshana* and *Chikitsa* of *Mutraghata* and *Mutrakrucchra* are clinically very important. Hence an attempt is made to review about the Clinical understanding of these conditions in the present article.

**Key words:** *Mutraghata*, *Mutrakrucchra*, Urological disorders, *Sushruta Samhita*

### INTRODUCTION

Acharya Sushruta has explained the diseases *Mutrakrucchra* and *Mutraghata* in 58<sup>th</sup> and 59<sup>th</sup> chapters of *Uttara Tantra* in *Sushruta Samhita*<sup>[1]</sup> under the chapter names *Mutraghata Pratisheda* and *Mutra Krucchra Pratisheda* respectively.

*Dalhanacharya*<sup>[2]</sup> in *Nibandha Sangraha* commentary explains *Mutraghata* as

- 1<sup>st</sup> opinion - '*Mutraghato Mutravarodha*'- Any obstruction in the urinary system
- 2<sup>nd</sup> opinion - '*Aghata Shabdena Dushtimahuhu Na*

*Tu Avarodham*'- Any type of vitiation in Urinary system just not the obstruction.

*Dalhanacharya*<sup>[3]</sup> in *Nibandha Sangraha* commentary explains *Mutrakrucchra* as

- '*Mutrakrucchram Dukhena Mutra Pravruttihi*' - *Mutrakrucchra* is any discomfort to pass urine
- Instead of *Mutrakrucchra Pratisheda* the chapter is also read as *Mutra Upaghata Pratisheda*. '*Upaghata Shabdena Krucchrataa Vadanti*' - which means difficulty in micturition.
- Some authors do not consider *Mutrakrucchra* as a separate condition because the diseases like *Mutrashmari*, *Mutraghata* and *Mutraja Udavarta* has *Mutrakrucchra* as a *Lakshana* (clinical feature). However, *Mutrakrucchra* has specific *Chikitsa* (treatment), *Lakshana* (clinical features) and *Karyabheda* (variety). Hence *Acharya* has explained it in the separate chapter.

### Address for correspondence:

Dr. Jambavathi S

PhD Scholar, Department of PG and PhD Studies in Shalya Tantra, Government Ayurveda Medical College, Bangalore, India.

E-mail: jambavathisatyamangala@gmail.com

Submission Date: 14/08/2023 Accepted Date: 21/09/2023

### Access this article online

#### Quick Response Code



Website: [www.jaims.in](http://www.jaims.in)

DOI: [10.21760/jaims.8.10.15](https://doi.org/10.21760/jaims.8.10.15)

### Types

<i>Mutraghata</i> - 12 types <sup>[4]</sup>	<i>Mutrakrucchra</i> - 8 types <sup>[5]</sup>
<ul style="list-style-type: none"><li><i>Vatakundalika</i></li></ul>	<ul style="list-style-type: none"><li><i>Vataja Mutrakrucchra</i></li></ul>

▪ <i>Ashthila</i>	▪ <i>Pittaja Mutrakrucchra</i>
▪ <i>Vatabasti</i>	▪ <i>Kaphaja Mutrakrucchra</i>
▪ <i>Mutatita</i>	▪ <i>Sannipataja Mutrakrucchra</i>
▪ <i>Mutrajathara</i>	▪ <i>Abhighataja Mutrakrucchra</i>
▪ <i>Mutrotsanga</i>	▪ <i>Shakrut Vegadharana Janya Mutrakrucchra</i>
▪ <i>Mutrakshaya</i>	▪ <i>Ashmarijanya Mutrakrucchra</i>
▪ <i>Mutragranthi</i>	▪ <i>Shakarajanya Mutrakrucchra</i>
▪ <i>Mutrashukra</i>	
▪ <i>Ushnavata</i>	
▪ <i>Pittaja Mutraukasada</i>	
▪ <i>Kaphaja Mutraukasada</i>	

**Nidana, Samprapti and Lakshana of Mutraghata**

<b>Mutraghata</b>	<b>Nidana and Samprapti</b>	<b>Lakshana</b>	<b>Dosha dominance</b>
<i>Vatakundalika</i> <sup>[6]</sup>	Due to the <i>Rukshata</i> of the <i>Vayu</i> and <i>Vegadharana</i> , <i>Vayu</i> gets <i>Antaramashrita</i> (localised in urinary bladder) and involving <i>mutra</i> moves in <i>Kundalakara</i> (circular direction)	Passing <i>Alpalpa</i> (small quantity) <i>Mutra</i> , <i>Sarujaska</i> (painful), <i>Shanaih Shanaih Mutra</i> (frequent micturition)	<i>Vata</i>
<i>Ashthila</i> <sup>[7]</sup>	<i>Vayu</i> gets localised between <i>Shakrut Marga</i>	<i>Vit</i> , <i>Mutra</i> , <i>Anila Sangha</i> (obstruction of faeces, urine and flatus), <i>Adhmana</i>	<i>Vata</i>

	(rectum) and <i>Basti</i> (urinary bladder) and produces <i>Ashtilavat</i> (stone like) <i>Ghana</i> (dense) <i>Granthi</i> (cyst like elevation)	(distension of bladder) and <i>Vedana</i> in <i>Basti</i> (pain in urinary bladder)	
<i>Vatabasti</i> <sup>[8]</sup>	Person who is not wise indulge in <i>Vega Dharana</i> (suppression of natural urges like micturition), <i>Vayu</i> in the <i>Basti</i> (urinary bladder) obstructs its <i>Mukha</i> (opening of the bladder)	<i>Mutrasanga</i> (obstruction of urine), pain in <i>Basti</i> (urinary bladder) and <i>Kukshi</i> (lower abdomen)	<i>Vata</i>
<i>Mutatita</i> <sup>[9]</sup>	Person who does <i>Mutra Vega Dharana</i> (suppression of urine), and tries to micturate after suppression	Urine does not come out and on straining <i>Manda Ruja</i> (with mild pain), <i>Alpalpa</i> (in small quantities), <i>Punah Punah</i> (repeated flow)	<i>Vata</i>
<i>Mutrajathara</i> <sup>[10]</sup>	On <i>Vega Dharana</i> (suppression of natural urges like micturition), because of upward movement of <i>Vata</i> , <i>Apana Vayu</i> gets aggravated and fills the abdomen	<i>Nabheradha Adhmana</i> (distension of abdomen below the umbilicus), <i>Teevra Vedana</i> (severe pain). Obstruction of <i>Adha Strotas</i> (downward passage of urine and faeces)	<i>Vata (Apana)</i>

<i>Mutrotsanga</i> <sup>[11]</sup>	If <i>mutra</i> gets obstructed in <i>Basti</i> (bladder), <i>Nala</i> (urethra), <i>Mani</i> (glans penis),	On straining, will pass <i>Sarakta</i> (urine with blood), <i>Alpalpa</i> (small quantities), with or without pain	<i>Vata</i>
<i>Mutrakshaya</i> <sup>[12]</sup>	<i>Ruksha</i> and <i>Klanta</i> (Person who is having dryness and debilitated), <i>Pitta</i> and <i>Vata</i> in <i>Basti</i> (urinary bladder)	Urine with <i>Daha</i> (burning sensation) and <i>Vedana</i> (pain)	<i>Vata</i> and <i>Pitta</i>
<i>MutrAGRAnthi</i> <sup>[13]</sup>	<i>Abhyantare Bastimukhe</i> (inside the opening of urinary bladder) <i>Vrutta</i> (round), <i>Alpa</i> (small), <i>Sthira</i> (fixed) swelling appears	<i>Vedana</i> (pain), <i>Mutramarga Nirodha</i> (obstructs urinary passage), having features of <i>Mutrashmari</i> (renal calculi)	
<i>Mutrashukra</i> <sup>[14]</sup>	Person with the urge of micturition indulges in sexual activity	Semen is discharged suddenly before or after micturition, <i>Bhamodaka Pratikasha</i> (resembles ash mixed water)	
<i>Ushnavata</i> <sup>[15]</sup>	Due to <i>Vyayama</i> (exercise), <i>Adhwa</i> (walking), <i>Atapa</i> (exposure to sun), <i>Pitta</i> enters <i>Basti</i> and does	Burning sensation in <i>Basti</i> (urinary bladder), <i>Medra</i> (penis), and <i>Guda</i> (anus) during micturition, <i>Haridra</i> (deep yellow) coloured urine or <i>Rakta</i>	<i>Pitta</i> , <i>Vata</i>

	<i>Avarana</i> of <i>Vata</i>	(reddish) urine is passed with difficulty	
<i>Pittaja Mutraukasada</i> <sup>[16]</sup>		Urine is <i>Vishada</i> (clear), <i>Pitaka</i> (yellow), <i>Sadaha</i> (burning) and <i>Bahala</i> (thick) and on drying resembles <i>Gorochana</i> (cow's bile)	<i>Pitta</i>
<i>Kapahaja Mutraukasada</i> <sup>[17]</sup>		Urine is <i>Picchila</i> (slimy), <i>Samhata</i> (concentrated), <i>Shweta</i> (white), difficult to pass and on drying resembles <i>Shanka Churana</i> (powdered cunch-shell)	<i>Kapha</i>

**Lakshana of Mutrakrucchra**

<b>Mutrakrucchra</b>	<b>Lakshana</b>
<i>Vataja Mutrakrucchra</i> <sup>[18]</sup>	Urine is passed <i>Alpalpa</i> (small quantity), <i>Samudpidya</i> (on straining tearing pain) in <i>Mushka</i> (scrotum), <i>Mehana</i> (penis), <i>Basti</i> (urinary bladder)
<i>Pittaja Mutrakrucchra</i> <sup>[19]</sup>	Urine is passed <i>Haridra</i> (deep yellow), <i>Ushna</i> (hot), or <i>Rakta</i> (red), burning sensation in <i>Mushka</i> (scrotum), <i>Mehana</i> (penis), <i>Basti</i> (urinary bladder)
<i>Kaphaja Mutrakrucchra</i> <sup>[20]</sup>	Urine is passed <i>Snigdha</i> (unctuous), <i>Shukla</i> (white) and <i>Anushna</i> (warm) with <i>Samshruta Roma</i> (horripulation) and <i>Guruta</i> (heaviness) in <i>Mushka</i> (scrotum), <i>Mehana</i> (penis), <i>Basti</i> (urinary bladder)
<i>Shakarajanya Mutrakrucchra</i> <sup>[21]</sup>	<i>Shakara</i> is the <i>Shleshma Avyava</i> (disintegrated part of <i>Kapha</i> ) undergoes <i>Pachana</i> by <i>pitta</i> , <i>Bhedana</i> by <i>Vata</i> .  <i>Hrutpeeda</i> (cardiac pain), <i>Vepathu</i> (shivering), <i>Shoola</i> (colicky pain), <i>Mandagni</i> , <i>Durbala</i> (weakness), <i>Murcha</i> (fainting) and severe dysuria.

	When <i>Sharkara</i> is passed with urine, pain will subside until some other <i>Sharkara</i> obstructs the passage.
<i>Abhighataja Mutrakrucchra</i> <sup>[22]</sup>	If there is injury in <i>Mutravahini</i> (urinary channels) due to <i>Shalya</i> (foreign body) dysuria with severe pain  Features like <i>Vatabasti</i>
<i>Shakrut Vegadharana Janya Mutrakrucchra</i> <sup>[23]</sup>	<i>Vayu</i> get <i>Viguna</i> (vitiating) <i>Adhmana</i> (distention), <i>Sashula</i> (painful), <i>Mutrasanga</i> (retention of urine)
<i>Ashmarijanya Mutrakrucchra</i> <sup>[24]</sup>	Features like <i>Mutrashmari</i>
<i>Sannipataja Mutrakrucchra</i> <sup>[25]</sup>	Urine passed is <i>Daha</i> (hot), <i>Sheeta</i> (cold), <i>Ruja</i> (painful) and <i>Nanavarna</i> (different colours) and <i>Muhurmuh</i> (frequent), <i>Tama Avarana</i> (patient feels darkness) with difficulty.

#### Chikitsa Sutra / Treatment Principle of Mutraghata

- **Mutrashmari Chikitsa**<sup>[26]</sup> - *Kashaya* (Decoctions), *Kalka* (Pastes), *Sarpi* (Ghee), *Bhakshya* (Medicated food), *Lehya* (Electuaries), *Payas* (milk), *Kshara* (alkali), *Madya* (wine), *Asava* (medicated fermented preparations), *Sweda* (sudation), *Basti* (enema), *Uttara Basti* (urethral douches) and other procedures explained in *Ashmari Chikitsa* (Treatment of Renal calculi) can also be adopted.
- **Mutraja Udavarta Chikitsa**<sup>[27]</sup> - the treatment explained in *Mutraja Udavarta* can also be adopted
- After *Snehana* (unction), *Swedana* (sudation), *Virechana* (purgation) body is cleansed, later *Uttara Basti* (urethral douches) can be applied.<sup>[28]</sup>

#### Yoga / Formulations

- *Kalka* of *Ervaru Beeja* (paste of snake cucumber seeds) in *Aksha Matra* (10-12g) mixed with *Saindhava Lavana* along with *Dhanyamla* (sour gruel) is specially indicated for *Mutrakrucchra*.<sup>[29]</sup>
- *Sura* (wine) mixed with *Souvarchala Lavana* or *Sura* (wine) made of honey and jaggery should be taken while having meat is specially indicated for *Mutrakrucchra*.<sup>[30]</sup>

- 1 *Karsha* (10-12g) *Kumkuma* (saffron) kept in honey water overnight should be taken in morning is specially indicated for *Mutrakrucchra*.<sup>[31]</sup>
- *Sura* (chief wine made of flour) should be taken with *Dadima* (pomegranate) and mixed with *Ela* (cardamom), *Jiraka* (cumin), *Shunti* (ginger) and *Lavana* (salt) is specially indicated for *Mutrakrucchra*.<sup>[32]</sup>
- Roots of *Vidarigandadi Gana* and *Gokshura* should be boiled in half *Prasta* water (320ml) with four times milk and reduced to milk only. When cooled should be taken with sugar and honey. This alleviates *Mutrighata* caused by *Vata* and *Pitta*.<sup>[33]</sup>
- Intake of *rasa* (juice) of the faeces of *Raasabha* (donkey) and *Vaji* (horse) which is strained well through a piece of cloth in the dose of one *Kudava* (160 ml) removes disorders of urine.<sup>[34]</sup>
- *Kalka* (paste) of *Haritaki*, *Amalaki* and *Vibhitaki* (*Triphala*) in *Badara Pramana* (5-6g) with *Saindhava Lavana* should be taken with water removes disorders of urine.<sup>[35]</sup>
- Paste of *Draksha* 10g kept in water overnight removes the painful disorders of urine.<sup>[36]</sup>
- *Swarasa* (juice) of *Kantakari* 160ml in the morning eliminates disorders of the urine.<sup>[37]</sup>
- *Amalaki Swarasa* (juice) 160ml mixed with honey alleviates pain in urine.<sup>[38]</sup>
- *Amalaki Swarasa* (juice) 160ml mixed *Ela* (cardamom powder).<sup>[39]</sup>
- *Tala* root which is freshly pounded should be taken with *Shali* rice water which is cooled<sup>[40]</sup>
- *Rasa* (juice) of *Trapusa* mixed with milk should be taken in the morning<sup>[41]</sup>
- Milk processed with *Madhura Dravya* (sweet predominant herbs) mixed with ghee, it eliminates disorders of urine and destroys calculus.<sup>[42]</sup>
- *Bala*, *Gokshura*, *Krouncha*, *Kokilaksha*, roots of *Shataparvaka*, *Devadaru*, *Chitraka*, *Vibhitaka* *Beeja* should be pounded and taken along with



sura (wine) eliminates disorders of urine and destroys calculus.<sup>[443]</sup>

- *Patala Kshara* (alkali) decanted 7 times and mixed with a bit of oil removes disorders of urine.<sup>[444]</sup>
- *Nala, Pashanabheda, Darbha, Ikshu* and *Trapusa Beeja, Ervaru* boiled in milk and mixed with ghee.<sup>[445]</sup>
- Alkali water of *Patala, Yavashuka, Paribhadra, Tila* mixed with *Twak, Ela* and *Pippali* or should take these separately as *Lehya* (electuaries) mixed with jaggery.<sup>[446]</sup>
- *Ghrita*,<sup>[447]</sup> *Bala ghrita*<sup>[448]</sup>, *Mahabala Ghrita*,<sup>[449]</sup>

#### Chikitsa Sutra/ Treatment Principle of Mutrakrucchra

**Mutrashmari Chikitsa** - Formulations and treatment procedures like *Snehana* explained in *Mutrashmari* can be adopted in *Mutrakrucchra* also.

#### Vishesha Chikitsa according to the types of Mutrakrucchra

##### Vataja Mutrakrucchra<sup>[50]</sup>

*Gokshura, Pashanabheda, Kumbhi, Hapusha, Kantakari, Bala, shatavari, Rasna, Varuna, Girikarnika,* and *Vidarigandadi Gana* drugs - should add oil or ghee mixed with other three fats and cooked. This can be used for internal administration or *Anuvasana Basti* or *Uttara Basti*.

*Taila* (oil) cooked in *Swarasa* of *Gokshura* with *Guda* (jaggery) and *Shunti* (ginger) along with milk.

##### Pittaja Mutrakrucchra<sup>[51]</sup>

*Ghrita* (ghee) or milk processed with *Surasadi, Ushakadi, Mustadi* and *Varunadi Gana Dravyas* helps in *Pittaja Mutrakrucchra*. *Sneha* processed with same drugs should be applied in three types of *Basti* namely - *Ashtapana Basti, Anuvasana Basti* and *Uttara Basti*.

*Virechana* with *Ksheera* (milk), *Ikshu Rasa* (sugarcane milk) and *Draksha* are also useful.

##### Kaphaja Mutrakrucchra<sup>[52]</sup>

*Taila* (oil) and *Yavagu* (gruel) processed with *Surasadi, Ushakadi, Mustadi* and *Varunadi Gana Dravyas* are useful.

##### Sannipataja Mutrakrucchra<sup>[53]</sup>

Treatment according to *Dosha* predominance

The mixture of *Kakodumbara* powder, *Shweta Punarnava, Darbha,* and *Shilajatu,* when consumed with water, *Sura* (wine), *Ikshu Rasa* (sugarcane juice), and a decoction of *Darbha,* tailored to the individual's *Dosha,* effectively alleviates the pain associated with *Mutrakrucchra*.

- **Abhighataja Mutrakrucchra<sup>[54]</sup>** - Treatment like *Sadyovrana*
- **Shakrut Vegadharana Janya Mutrakrucchra<sup>[55]</sup>** - *Swedana* (sudation), *Avagaha* (sitz bath), *Abhyanga* (massage), *Basti* (enema), *Churna Kriya* (as mentioned in *Vata Vyadhi*)
- **Ashmarijanya Mutrakrucchra and Sharkarajanya Mutrakrucchra<sup>[56]</sup>** - treatment like *Mutrashmari*.

#### DISCUSSION

- In cognizance to the explanation of *Dalhanacharya, Mutraghata* can be understood as any disorders of Urinary system including the conditions which has obstructive pathology. *Mutrakrucchra* can be understood as any difficulty to pass urine (Dysuria).
- Exact correlation of each type of *Mutrashmari* and *Mutrakrucchra* according to modern disease classification is not possible because the *Nidana* and *Samprapti* explained in *Sushruta Samhita* is in accordance with the *Gati* and vitiation of *Doshas*.
- Based on the similarities in the clinical presentations, the condition BPH (Benign Prostatic Hypertrophy)<sup>[57]</sup> can be perceived as *Mutrashmari* or *Vatashteela* type of *Mutrashmari*. The conditions *Vatabasti, Mutratita, Mutrajathara* are having clinical features of the Acute Retention of Urine.<sup>[58]</sup> *Mutrashmari* has similar presentation to Spermaturia. *Mutrotsanga* and *Pittaja Mutrakrucchra* have haematuria as clinical presentation. *Mutrashmari* may be any neoplasms in the Urinary Bladder.
- The *Yoga* (formulations) explained in the treatment are having *Madya, Sura, Asava* (various alcoholic preparations) and *Ikshu Rasa* (Sugarcane

juice). This might be owing to the diuretic properties of these preparations.

- Usage of *Paneeeya Kshara* (caustic alkali) and *Mutra* (urine) of animals is observed in the *Yoga* (formulations). These are alkaline in nature and are very helpful in these conditions.
- *Sushruta Samhita* has explained both *Shamana* and *Shodhana* line of treatment in *Mutrakrucchra* and *Mutraghata*.

## CONCLUSION

*Mutraghata* and *Mutrakrucchra* comprises of broad spectrum of several Urological disorders. Hence the understanding the *Nidana*, *Samprapti*, *Lakshana* and *Chikitsa* of *Mutraghata* and *Mutrakrucchra* are clinically very important. The treatment of *Mutrashmari* and *Mutraja Udavarta* can be adopted in *Mutraghata* and *Mutrakrucchra* based on the Dosha predominance. The treatments both *Shamana* as well as *Shodhana* are explained in the *Sushruta Samhita*. It should be decided based on the condition of the patient and the severity of the disease.

## REFERENCES

1. Acharya Sushruta. Sushruta Samhita with the Nibandhasangraha Commentary of Dalhanacharya. Uttara Tantra Chapter 58, 59. In: Vaidya Jadvji Trikamji Acharya, Narayana Ram Acharya 'Kavyatirtha' (eds). Chaukamba Sanskrit Sansthan, Varanasi; 2009. p. 824, pp. 787-794.
2. Acharya Sushruta. Sushruta Samhita with the Nibandhasangraha Commentary of Dalhanacharya. Uttara Tantra Chapter 58, commentary of Verse no. 1-2. In: Vaidya Jadvji Trikamji Acharya, Narayana Ram Acharya 'Kavyatirtha' (eds). Chaukamba Sanskrit Sansthan, Varanasi; 2009. p. 824, pg. 787.
3. Acharya Sushruta. Sushruta Samhita with the Nibandhasangraha Commentary of Dalhanacharya. Uttara Tantra Chapter 59, commentary of Verse no. 1-2. In: Vaidya Jadvji Trikamji Acharya, Narayana Ram Acharya 'Kavyatirtha' (eds). Chaukamba Sanskrit Sansthan, Varanasi; 2009. p. 824, pg. 792.
4. Acharya Sushruta. Sushruta Samhita with the Nibandhasangraha Commentary of Dalhanacharya. Uttara Tantra Chapter 58, Verse no. 3-4. In: Vaidya Jadvji Trikamji Acharya, Narayana Ram Acharya 'Kavyatirtha' (eds). Chaukamba Sanskrit Sansthan, Varanasi; 2009. p. 824, pg. 787.
5. Acharya Sushruta. Sushruta Samhita with the Nibandhasangraha Commentary of Dalhanacharya. Uttara Tantra Chapter 59, Verse no. 3. In: Vaidya Jadvji Trikamji Acharya, Narayana Ram Acharya 'Kavyatirtha' (eds). Chaukamba Sanskrit Sansthan, Varanasi; 2009. p. 824, pg. 792.
6. Acharya Sushruta. Sushruta Samhita with the Nibandhasangraha Commentary of Dalhanacharya. Uttara Tantra Chapter 58, Verse no. 5-6. In: Vaidya Jadvji Trikamji Acharya, Narayana Ram Acharya 'Kavyatirtha' (eds). Chaukamba Sanskrit Sansthan, Varanasi; 2009. p. 824, pg. 787.
7. Acharya Sushruta. Sushruta Samhita with the Nibandhasangraha Commentary of Dalhanacharya. Uttara Tantra Chapter 58, Verse no. 7-8. In: Vaidya Jadvji Trikamji Acharya, Narayana Ram Acharya 'Kavyatirtha' (eds). Chaukamba Sanskrit Sansthan, Varanasi; 2009. p. 824, pg. 787.
8. Acharya Sushruta. Sushruta Samhita with the Nibandhasangraha Commentary of Dalhanacharya. Uttara Tantra Chapter 58, Verse no. 9-10. In: Vaidya Jadvji Trikamji Acharya, Narayana Ram Acharya 'Kavyatirtha' (eds). Chaukamba Sanskrit Sansthan, Varanasi; 2009. p. 824, pg. 787.
9. Acharya Sushruta. Sushruta Samhita with the Nibandhasangraha Commentary of Dalhanacharya. Uttara Tantra Chapter 58, Verse no. 11-12. In: Vaidya Jadvji Trikamji Acharya, Narayana Ram Acharya 'Kavyatirtha' (eds). Chaukamba Sanskrit Sansthan, Varanasi; 2009. p. 824, pg. 787.
10. Acharya Sushruta. Sushruta Samhita with the Nibandhasangraha Commentary of Dalhanacharya. Uttara Tantra Chapter 58, Verse no. 13-14. In: Vaidya Jadvji Trikamji Acharya, Narayana Ram Acharya 'Kavyatirtha' (eds). Chaukamba Sanskrit Sansthan, Varanasi; 2009. p. 824, pg. 787.
11. Acharya Sushruta. Sushruta Samhita with the Nibandhasangraha Commentary of Dalhanacharya. Uttara Tantra Chapter 58, Verse no. 15-16. In: Vaidya Jadvji Trikamji Acharya, Narayana Ram Acharya 'Kavyatirtha' (eds). Chaukamba Sanskrit Sansthan, Varanasi; 2009. p. 824, pg. 788.
12. Acharya Sushruta. Sushruta Samhita with the Nibandhasangraha Commentary of Dalhanacharya. Uttara Tantra Chapter 58, Verse no. 17. In: Vaidya Jadvji Trikamji Acharya, Narayana Ram Acharya 'Kavyatirtha' (eds). Chaukamba Sanskrit Sansthan, Varanasi; 2009. p. 824, pg. 788.
13. Acharya Sushruta. Sushruta Samhita with the Nibandhasangraha Commentary of Dalhanacharya. Uttara Tantra Chapter 58, Verse no. 18-19. In: Vaidya Jadvji Trikamji Acharya, Narayana Ram Acharya 'Kavyatirtha' (eds). Chaukamba Sanskrit Sansthan, Varanasi; 2009. p. 824, pg. 788.
14. Acharya Sushruta. Sushruta Samhita with the Nibandhasangraha Commentary of Dalhanacharya. Uttara Tantra Chapter 58, Verse no. 20-21. In: Vaidya Jadvji Trikamji Acharya, Narayana Ram Acharya 'Kavyatirtha' (eds). Chaukamba Sanskrit Sansthan, Varanasi; 2009. p. 824, pg. 788.

15. Acharya Sushruta. Sushruta Samhita with the Nibandhasangraha Commentary of Dalhanacharya. Uttara Tantra Chapter 58, Verse no. 22-23. In: Vaidya Jadvji Trikamji Acharya, Narayana Ram Acharya 'Kavyatirtha' (eds). Chaukamba Sanskrit Sansthan, Varanasi; 2009. p. 824, pg. 788.
16. Acharya Sushruta. Sushruta Samhita with the Nibandhasangraha Commentary of Dalhanacharya. Uttara Tantra Chapter 58, Verse no. 24-25. In: Vaidya Jadvji Trikamji Acharya, Narayana Ram Acharya 'Kavyatirtha' (eds). Chaukamba Sanskrit Sansthan, Varanasi; 2009. p. 824, pg. 789.
17. Acharya Sushruta. Sushruta Samhita with the Nibandhasangraha Commentary of Dalhanacharya. Uttara Tantra Chapter 58, Verse no. 25-26. In: Vaidya Jadvji Trikamji Acharya, Narayana Ram Acharya 'Kavyatirtha' (eds). Chaukamba Sanskrit Sansthan, Varanasi; 2009. p. 824, pg. 789.
18. Acharya Sushruta. Sushruta Samhita with the Nibandhasangraha Commentary of Dalhanacharya. Uttara Tantra Chapter 59, Verse no. 4. In: Vaidya Jadvji Trikamji Acharya, Narayana Ram Acharya 'Kavyatirtha' (eds). Chaukamba Sanskrit Sansthan, Varanasi; 2009. p. 824, pg. 792.
19. Acharya Sushruta. Sushruta Samhita with the Nibandhasangraha Commentary of Dalhanacharya. Uttara Tantra Chapter 59, Verse no. 5. In: Vaidya Jadvji Trikamji Acharya, Narayana Ram Acharya 'Kavyatirtha' (eds). Chaukamba Sanskrit Sansthan, Varanasi; 2009. p. 824, pg. 792.
20. Acharya Sushruta. Sushruta Samhita with the Nibandhasangraha Commentary of Dalhanacharya. Uttara Tantra Chapter 59, Verse no. 6. In: Vaidya Jadvji Trikamji Acharya, Narayana Ram Acharya 'Kavyatirtha' (eds). Chaukamba Sanskrit Sansthan, Varanasi; 2009. p. 824, pg. 792.
21. Acharya Sushruta. Sushruta Samhita with the Nibandhasangraha Commentary of Dalhanacharya. Uttara Tantra Chapter 59, Verse no. 11-14. In: Vaidya Jadvji Trikamji Acharya, Narayana Ram Acharya 'Kavyatirtha' (eds). Chaukamba Sanskrit Sansthan, Varanasi; 2009. p. 824, pg. 792.
22. Acharya Sushruta. Sushruta Samhita with the Nibandhasangraha Commentary of Dalhanacharya. Uttara Tantra Chapter 59, Verse no. 8. In: Vaidya Jadvji Trikamji Acharya, Narayana Ram Acharya 'Kavyatirtha' (eds). Chaukamba Sanskrit Sansthan, Varanasi; 2009. p. 824, pg. 792.
23. Acharya Sushruta. Sushruta Samhita with the Nibandhasangraha Commentary of Dalhanacharya. Uttara Tantra Chapter 59, Verse no. 9. In: Vaidya Jadvji Trikamji Acharya, Narayana Ram Acharya 'Kavyatirtha' (eds). Chaukamba Sanskrit Sansthan, Varanasi; 2009. p. 824, pg. 792.
24. Acharya Sushruta. Sushruta Samhita with the Nibandhasangraha Commentary of Dalhanacharya. Uttara Tantra Chapter 59, Verse no. 10. In: Vaidya Jadvji Trikamji Acharya, Narayana Ram Acharya 'Kavyatirtha' (eds). Chaukamba Sanskrit Sansthan, Varanasi; 2009. p. 824, pg. 792.
25. Acharya Sushruta. Sushruta Samhita with the Nibandhasangraha Commentary of Dalhanacharya. Uttara Tantra Chapter 59, Verse no. 7. In: Vaidya Jadvji Trikamji Acharya, Narayana Ram Acharya 'Kavyatirtha' (eds). Chaukamba Sanskrit Sansthan, Varanasi; 2009. p. 824, pg. 792.
26. Acharya Sushruta. Sushruta Samhita with the Nibandhasangraha Commentary of Dalhanacharya. Uttara Tantra Chapter 58, Verse no. 27. In: Vaidya Jadvji Trikamji Acharya, Narayana Ram Acharya 'Kavyatirtha', editors. Chaukamba Sanskrit Sansthan, Varanasi; 2009. p. 824, pg. 789.
27. Acharya Sushruta. Sushruta Samhita with the Nibandhasangraha Commentary of Dalhanacharya. Uttara Tantra Chapter 58, Verse no. 28. In: Vaidya Jadvji Trikamji Acharya, Narayana Ram Acharya 'Kavyatirtha', editors. Chaukamba Sanskrit Sansthan, Varanasi; 2009. p. 824, pg. 789.
28. Acharya Sushruta. Sushruta Samhita with the Nibandhasangraha Commentary of Dalhanacharya. Uttara Tantra Chapter 58, Verse no. 49-50. In: Vaidya Jadvji Trikamji Acharya, Narayana Ram Acharya 'Kavyatirtha', editors. Chaukamba Sanskrit Sansthan, Varanasi; 2009. p. 824, pg. 789.
29. Acharya Sushruta. Sushruta Samhita with the Nibandhasangraha Commentary of Dalhanacharya. Uttara Tantra Chapter 58, Verse no. 29. In: Vaidya Jadvji Trikamji Acharya, Narayana Ram Acharya 'Kavyatirtha', editors. Chaukamba Sanskrit Sansthan, Varanasi; 2009. p. 824, pg. 789.
30. Acharya Sushruta. Sushruta Samhita with the Nibandhasangraha Commentary of Dalhanacharya. Uttara Tantra Chapter 58, Verse no. 30. In: Vaidya Jadvji Trikamji Acharya, Narayana Ram Acharya 'Kavyatirtha', editors. Chaukamba Sanskrit Sansthan, Varanasi; 2009. p. 824, pg. 789.
31. Acharya Sushruta. Sushruta Samhita with the Nibandhasangraha Commentary of Dalhanacharya. Uttara Tantra Chapter 58, Verse no. 31. In: Vaidya Jadvji Trikamji Acharya, Narayana Ram Acharya 'Kavyatirtha', editors. Chaukamba Sanskrit Sansthan, Varanasi; 2009. p. 824, pg. 789.
32. Acharya Sushruta. Sushruta Samhita with the Nibandhasangraha Commentary of Dalhanacharya. Uttara Tantra Chapter 58, Verse no. 32. In: Vaidya Jadvji Trikamji Acharya, Narayana Ram Acharya 'Kavyatirtha', editors. Chaukamba Sanskrit Sansthan, Varanasi; 2009. p. 824, pg. 789.
33. Acharya Sushruta. Sushruta Samhita with the Nibandhasangraha Commentary of Dalhanacharya. Uttara Tantra Chapter 58, Verse no. 33-34. In: Vaidya Jadvji Trikamji Acharya, Narayana Ram Acharya 'Kavyatirtha', editors. Chaukamba Sanskrit Sansthan, Varanasi; 2009. p. 824, pg. 789.
34. Acharya Sushruta. Sushruta Samhita with the Nibandhasangraha Commentary of Dalhanacharya. Uttara Tantra Chapter 58, Verse no. 35. In: Vaidya Jadvji Trikamji Acharya, Narayana Ram Acharya 'Kavyatirtha', editors. Chaukamba Sanskrit Sansthan, Varanasi; 2009. p. 824, pg. 789.





55. Acharya Sushruta. Sushruta Samhita with the Nibandhasangraha Commentary of Dalhanacharya. Uttara Tantra Chapter 59, Verse no. 26. In: Vaidya Jadvji Trikamji Acharya, Narayana Ram Acharya 'Kavyatirtha', editors. Chaukamba Sanskrit Sansthan, Varanasi; 2009. p. 824, pg. 794.
56. Acharya Sushruta. Sushruta Samhita with the Nibandhasangraha Commentary of Dalhanacharya. Uttara Tantra Chapter 59, Verse no. 27. In: Vaidya Jadvji Trikamji Acharya, Narayana Ram Acharya 'Kavyatirtha', editors. Chaukamba Sanskrit Sansthan; Varanasi; 2009. p. 824, pg. 794.
57. Das S, editor. A concise Textbook of Surgery. 10th edition. Calcutta: 2022. p. 1374, p. 1271-1283.

58. Das S, editor. A concise Textbook of Surgery. 10th edition. Calcutta: 2022. p. 1374, p. 1263-1264.

**How to cite this article:** Jambavathi S, Srinivas Masalekar. Clinical understanding of the Mutraghata and Mutrakrucchra in purview of Sushruta Samhita. J Ayurveda Integ Med Sci 2023;10:103-111. <http://dx.doi.org/10.21760/jaims.8.10.15>

**Source of Support:** Nil, **Conflict of Interest:** None declared.

\*\*\*\*\*