



## AYURVEDIC ASPECTS OF (GUNJA) ABRUS PRECATORIUS W. S. T. AGADTANTRA

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### ABSTRACT

*Abrus precatorius* also known as Lucky bean, crab's eye, buddhist rosary bead family belong to Fabaceae. In Ayurveda it is described as vanaspaty visha as in modern science it is irritant organic vegetable poison. All parts are poisonous mostly seeds, root and leaves are hazardous to human. Its medicinal kalpa are prepared it contain Abrin, Abric acid, Glycyrrhizin. It also used as non-medico purpose as seeds used in necklaces rosary beads, jewellery qunja detoxified in milk cow's. While qunja used as medicinal purpose used as a weighing measures for gold or precious stones. This article suggests the ayurvedic reviews of *Abrus precatorius* w.s.r. to Agadtantra.

### KEYWORDS : Gunja, Agadtantra

#### INTRODUCTION:

**Latin name:** *Abrus Precatorius*.

**Family -** Fabaceae

Seeds weigh 105 mg, measure (8 x 6 m) seeds are bright red with a black spot on one end other varieties are pale and brown while and black yellow or blue seeds are often used as beads in rosaries (for playing) it is anti-inflammatory, analgesic it has Kusthaghna, Krumighna, vedana stapana, balya, vrushya, mutral, jwaraghna properties.

**Aim -** To study Ayurvedic respect of Gunja.

#### Objective -

- To collect the literature review of *Abrus precatorius*.
- To study systemic effect of *Abrus precatorius*.
- To study toxicity of *Abrus precatorius*.

#### Synonyms -

Sanskrit name	- Raktika, kakananti
Marathi	- Gunja
Hindi	- Rattis
English	- Rosary pea, Lucky bean ratty, qunchi, Indian liquorices' crab's eye, love bean
Botanical Name	- <i>Abrus precatorius</i>
Kul	- Shimbhi kul
Bengali	- Kunch
Gujarathi	- Chanothi
Varjikan	- Sthavar visha - Vanspatij visha
Modern	- irritant organic, vegetable poison
Patra	- 20-40 Number 3-7 inch length, (Imali)
Pushpa	- 1-3 inch length pink, blue in colour

Pala (Fruit - red, blue, white colour)

Utpatti Sthan - All over India

Rasayanik Sanghatan - Abrin, Glycyrrhizin and N-methyl tryptophan

#### Ayurvedic

	Properties
Guna -	Laghu, tikshna, Ruksha
Rasa -	Tikta, kashay
Vipak -	Katu
Viryā -	Ushna
Doshkarma -	Kaphavatshamak - seeds
Patra -	Vatapitta Shamak

Local action Vranaropan, Vedanasthapan

#### System Karma

- 1) Pachan sansthan - Snehan, Dipan (Digestive)
- 2) Swasan sansthan - Snehan, Kaphanisararak
- 3) Mutravah sansthan - Use in Mutrakruchra, mutral
- 4) Prajanan sansthan - Uterian excitment, Vajikaran, Reproductive
- 5) Tapakram (Fever) - Jwaraghna
- 6) Twaka - Kushtaghna
- 7) Nadisansthan - Balya,

#### Therapeutic use in Samhita:

- 1) Mukhoshohahar, Vatapitta shamak, Shwasa, Trushna Madha Vinashan Shothahar
- 2) Graha visha, kandu, Kusthna, krumi nashan

Aushadhi Matra - beeja chruna - 60 - 180 mg,

Mula and patra churna - 1-3g

Vishakta lakshana:

Permatitis, Tash, redness

Vishakta Chikitsa:

Tandulja swaras + sharkara

Cow milk + sharkara

#### Post mortem appearance -

- 1) Fragments of Sui in wound
- 2) Oedema at the site of injection
- 3) Patches of ecchymosis under the skin, pleura, pericardium and peritonium hemorrhagic patches on external and internal surface of body.

#### Mediclegal Aspect:

- 1) Sui poisoning Seeds are powdered mixed with Dhatura, opium and made into paste with spirit and water and applied into needles.
- 2) Sui poisoning is a cattle poisoning.
- 3) Accidental poisoning is seen into children because of its attractive colour.
- 4) Used as arrow poison.
- 5) It also used for homicide.

#### Pharmacological Activity:

##### 1. Neuromuscular Effects:

Some neuromuscular effects of the crude extracts of the leaves of *Abrus precatorius* were investigated using isolated toad rectus abdominals and rat phrenic nerve-diaphragm muscle preparations as well as young chicks.

##### 2. Dalton's Lymphoma:

It has been reported that abrus abrin, isolated from the seeds

of *Abrus precatorius*, showed in vitro and in vivo antitumor properties by the induction of apoptosis.

### 3. Alzheimer's Disease:

*Abrus precatorius* L. lectin have been used to identify glycohistochemically the microglial cells (MGC) activation in autoptic brain samples from Alzheimer's disease subject. *Abrus precatorius* agglutinin recognizes MGC in the cerebral white matter from all AD patients studied.

### 4. Antimalarial:

An isoflavoquinone- abruquinone was isolated from the extract of aerial parts and exhibited antimalarial activity.

### CONCLUSION:

*Abrus precatorius* is very potent herbal plant used as various purposes. It has different synonym according various archarya's. According to its action it gives various effect. As per modern science it is organic irritant vegetable poison. But according to Acharaya Priyawat shrama it is vishgna activity. Sometimes made into pills and sold as birth control pills.

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