



Critical Assessment of *Sarjika Kshara Tel* Properties W.S.R. to Role in *Karna Badhirya* (Senile Deafness)

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Abstract

Kshara kalpana is one of the treatment approaches which used when *Chedana* and *Lekhana* effects are prerequisite. The drugs of this category are widely used in Ayurvedic medicine for their wide range of medicinal properties. *Sarjika Kshara Tel* is one such Ayurvedic drug that reduces swelling, inflammation and infections therefore can be used for many ailments including ear problems like *Badhirya* (Senile Deafness). *Sarjika Kshara* possesses *Katu Rasa*, *Laghu*, *Ushna* and *Tikshna Guna* along with *Ushna Virya*. It is also used for fever, heartburn, kidney problems and respiratory diseases, etc. The antiseptic and anti-inflammatory effect make it drug of choice for local inflammation and infection. It is also used as anti-fungal agent thus cures fungal infection associated with ear and other body parts. *Kshara* preparation itself offers therapeutic benefits in ear related diseases like infection and deafness, etc. Considering these all aspects present article described properties of *Sarjika Kshara Tel* along with its role in *Karna Badhirya*.

Key-Words: *Ayurveda*, *Kshara*, *Sarjika*, *Badhirya*, *Ear*

Introduction

Ayurveda described clinical importance of alkaline formulation in various diseases since these preparations minimizes complications related to the disease and prevents recurrence. *Sarjika kshara* is one such preparation used widely in different forms including *Tel* which acts as *Sodhana dravya* and prepared according

to *Rasasastra Vidhi*. *Sarjika kshara* can be formulated using the ash of *Dhanvayasa* and *Duralabha* plants.

Sarjika Kshara offers following properties which contributed towards its therapeutic value [1-4]:

✚ *Katu Rasa*

✚ *Ushna, Laghu, Tikshna* and *Ruksha Guna*

✚ *Ushna Virya*.

Sarjikkashara Tel mitigates *Vatadosha*, therefore considered good for inflammatory and painful disorders. It also used in *Kasa*, improves appetite and helps to cures *Gulmaroga*, *Krimiroga* and *Udara roga*, etc. Its efficacy in *Krimiroga* and *Vataroga* enhance its utility in ear infection and ear inflammation. This article explain clinical perspective of *Sarjikkashara Tel* and its role in *Badhirya*

***Sarjikkashara Tel* Composition and Preparations:**

It is a mineral drug containing sodium carbonate as *Kshara Dravya*, however when *Sarjimrit* is not available it can be manufactured using *Kshara* of ashes of *Duralabha* or *Kshudra duralabha*. First whole plant (either *Ushtrapriya* or *Ksudra duralabha*) dried and subjected for ignition, that after ash collected in a vessel and mixed with water followed by filtration using a clean cloth. This filtered liquid heated further till to evaporation of water and residue collected at bottom of container [4-7].

Properties of *Sarjikkashara Tel*:

It possesses *Katu Rasa*, *Teekshna* and *Laghu Guna* along with *Usna Virya*, these properties contributed towards the *Pachana*, *Vataharam* and *Agnideeptikaram* effects of formulations. Chemically it contains sodium carbonate, organic matter, potash and sulphate of soda, etc. *Sarjikkashara* appears as greyish white color with strong alkaline taste.

Badhirya

Badhirya means deafness correlated with hearing loss and in Ayurveda it has described as *Vataja karnarogas*. It comes under the heading of *Vatajkarnashula* in which *Karna* fails to perform function of *Sabdagrahana*. *Badhirya* is described as *Indriya pradoshajavyadhis* which is associated with different

etiological factors such as; *Avashyaya*, *Jalakreeda* and *Vardhakya*, etc. The vitiation of *Vata* and *Kaphadosha* mainly leads this condition.

Vata vitiation causes auditory nerve damage which further becomes reason for hearing loss and ringing in ear. Similarly *Kapha* vitiation leads obstruction in sound pathway, *Vata* along with *Kapha* vitiation leads degeneration of hearing organs or obstructions in nerve impulses leading to the *Badhirya*. The main symptom includes difficulty in hearing and ringing sound. Complete manifestation of *Badhirya* arises when remain untreated. Here *Avarana* of *Vata* by *Kapha* play vital role in chronic stage of disease. Initially *Avarana lakshanas* remain predominate, later stage witnessed *Avarana janya dhatu kshaya*.

Nidana includes *Avasyaya*, *Jalakrida*, *Pratisyaya*, *Karnakandu* and *Mithya yogensastrasya*, etc. Other etiological factors involve *Vidhura Marma* injury, uses of *Vishana tail* and *Karnarsha*, etc. These pathological factors start pathogenesis of *Badhirya* as depicted in **Figure 1**.

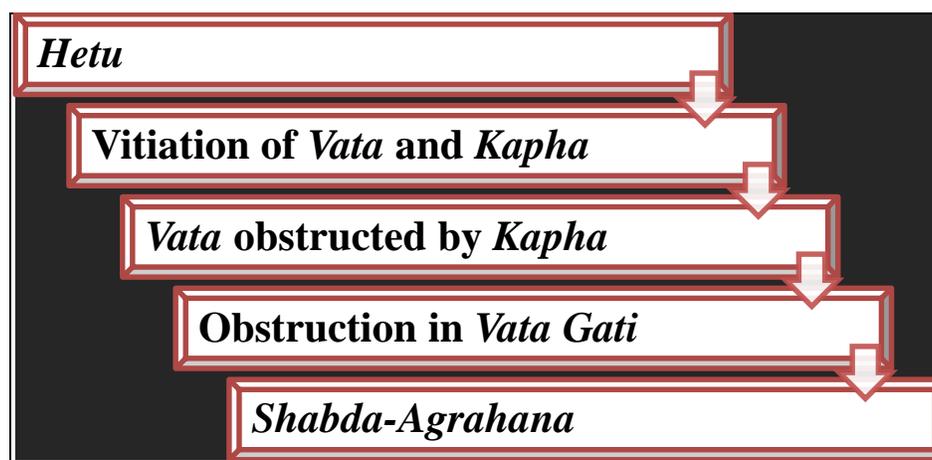


Figure 1: Pathogenesis of *Badhirya*

Management of *Badhirya*

- ✚ *Nasya*
- ✚ *Karnapurana*
- ✚ *Shiropichu*
- ✚ *Shamana Aushadhi*

Role of Sarjikakshara Tel in Badhirya:

The *Vata Kaphanashak* property of formulation helps in disease since it is a *Vata-Kapha* dominant disease. This formulation counteracts vitiated *Doshas*, thereby resist pathology of disease. This *Taila* offers *Katu & Kashaya Rasa, Snigdha Guna, Ushna Veerya* and *Katu Vipaka* therefore imparts *Vata-Kapha Rogaghnta*. These properties help in the *Anuloman* of *Vata* and *Katu Rasa* gives *Kaphanashak* property. The inherent property of drug is considered helpful for disintegrating *Kapha Sanga*, which involves in the pathogenesis of *Badhirya*. Ingredients impart *Balya, Shothahara, Krimiaghna* and *Shoolaghna* properties thus disintegrate etiological factors involved in *Badhirya*.

Dravikaran and *Chedana* of vitiated *Kapha* arise due to the *Ushna Veerya* and *Katu* properties of formulation. *Snigdha Guna* of oil causes nourishment of *Dhatus*, thus reverse the degenerative effects of disease. This formulation enhances activities of nerve impulses and prevents further denegation of auditory nerves.

According to modern consideration antimicrobial effects and anti-inflammatory properties of such types of formulation gives therapeutic responses against many pathogens affecting functions of ear. Formulation also alter immune system, hence acts as good immunomodulator. The antioxidant property of mineral content neutralizes free radicals thus prevent radical induced tissue damage of sense organs responsible for hearing. Analgesic, neuro-protective and anti-inflammatory properties give symptomatic relief in case of *Badhirya*. Moreover antiseptics property prevent local infection of ear and prevent inflammation induced damage of auditory tissue [7-10].

Conclusion

Sarjika Kshara Tel is an Ayurvedic formulation known for reducing swelling, inflammation, and infections. These therapeutic properties make this formulation effective against various ailments, including *Badhirya* (senile deafness). *Sarjika Kshara* is characterized by its pungent taste, light, hot and sharp qualities, as well as hot potency. It is also utilized in treating fever, kidney issues and respiratory diseases, etc. Its antiseptic and anti-inflammatory properties make it a preferred choice for addressing local inflammation and infections.

Additionally, it serves as an anti-fungal agent, effectively treating fungal infections in the ear and other body parts. *Kshara* preparations provide therapeutic benefits for ear-related conditions such as infections and deafness.

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