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CONCEPTUAL AND CLINICAL ROLE OF BASTI CHIKITSA IN VATAJA VYADHI W.S.R. TO GRIDHRASI (SCIATICA): A COMPREHENSIVE REVIEW

[*1]Dr. Ankita K. Powle, [2]Dr. Akshada Gujar

[1]BAMS. MD. (Panchakarma) Assistant Professor, MES Ayurved Mahavidyalaya, Ghane-Khunt Lote, Khed.

[2]BAMS. Md. Panchakarma (PhD scholar) Associate Professor MES Ayurved Mahavidyalya Ghane Khunt Lote Khed.

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***Corresponding Author**
Dr. Ankita K. Powle

BAMS. MD. (Panchakarma) Assistant Professor, MES Ayurved Mahavidyalaya, Ghane-Khunt Lote, Khed.

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ABSTRACT

Background: Gridhrasi is a prominent Vataja Nanatmaja Vyadhi characterized by severe radiating pain, stiffness, and functional impairment extending from the lumbar region to the lower extremity. It correlates closely with modern Sciatica. **Objective:** To critically review and synthesize classical Ayurvedic literature and contemporary pharmacological insights regarding the role of Basti Chikitsa in managing Vataja Vyadhis, specifically Gridhrasi. **Methods:** Classical texts including Charaka Samhita, Sushruta Samhita, and Ashtanga Hridaya were thoroughly reviewed along with modern peer-reviewed research papers from databases such as PubMed and Google Scholar. **Results:** Basti Chikitsa is designated as Ardha Chikitsa (half of all therapeutics) in Ayurveda. Literature indicates that Basti acts directly on Pakwashaya (the primary seat of Vata), influencing the central nervous system, enteric nervous system, and systemic neuro-humoral pathways to alleviate radicular pain and nerve irritation. **Conclusion:** Basti Chikitsa remains a fundamental, scientifically sound, and non-invasive Panchkarma intervention for managing lumbar radiculopathy (Gridhrasi).

KEYWORDS: Basti Chikitsa, Gridhrasi, Sciatica, Vataja Vyadhi, Panchkarma, Review.

1. INTRODUCTION

Ayurveda categorizes diseases primarily based on Dosha imbalance, among which Vata Dosha is considered supreme due to its features of mobility (Chala), swiftness (Ashu), and ability to control all bodily functions (Yanta Neta Chakshusham). Among the 80 distinct Vataja Nanatmaja Vyadhis, Gridhrasi is a major neurological disorder affecting the lower spine and limbs.

The term Gridhrasi is derived from "Gridhra" (vulture), reflecting the characteristic altered, limping gait observed in affected individuals due to severe shooting pain. In modern medicine, this presentation mirrors Sciatica (lumbar radiculopathy), which involves mechanical compression or inflammation of the sciatic nerve roots (L4–S3).

Modern management relies on analgesic drugs, NSAIDs, and surgical interventions (such as discectomy), which may carry risks of recurrence, gastrointestinal erosion, or renal toxicity. Ayurveda proposes Basti Chikitsa as the paramount treatment strategy for counteracting Vata disorders at their source. This review aims to compile and present the classical concepts and modern physiological perspectives of BastiChikitsa in Gridhrasi.

2. ETIOPATHOGENESIS OF GRIDHRASI (NIDANA & SAMPRAPTI)

Classical texts describe two main physiological pathways for the manifestation of Gridhrasi:

1. Suddha Vataja (Degenerative/Neurogenic Path): Etiological factors such as excessive physical exertion (Vyayama), trauma (Abhighata), eating dry/cold food (Ruksha/Aptarpana Aahara), and irregular sleeping habits lead to systemic aggravation of Vata. Elevated Vata settles in the Sphik-Kati (pelvic/lumbar) region, drying up local lubrication (Sleshma) and causing radiating pain.
2. Vata-Kaphaja (Obstructive Path): Accumulation of Kapha leads to channel obstruction (Srotorodha), trapping Vata Dosha in the pelvic region. This manifests as pain accompanied by heaviness (Gaurava), drowsiness (Tandra), and loss of appetite (Aruchi).

Clinical Manifestations

Ruka (Continuous dull/sharp pain)

Toda (Pricking/shooting sensation)

Stambha (Stiffness in the lumbar and leg region)

Spandana (Fasciculations/twitching)

Sakthikshepa Nigraha (Restricted leg elevation / Positive SLR test)

3. CONCEPT OF BASTI CHIKITSA AS ARDHA CHIKITSA

Acharya Charaka designates Basti as Ardha Chikitsa (half of all clinical medicine), while some scholars consider it Sampurna Chikitsa (complete treatment).

Primary Seat of Action: Pakwashaya (colon) is the principal seat (Mula Sthana) of Vata Dosha. Administering medicated oils (Anuvasana) and decoctions (Niruha) directly into the Pakwashaya systematically neutralizes morbid Vata at its source.

Systemic Reach: Just as the sun draws moisture from the earth, Basti administered in the rectum extracts morbid Doshas from the entire body (Aapada-Chulam) through vascular and lymphatic channels.

4. MODES OF ACTION: AYURVEDIC AND MODERN PERSPECTIVES

4.1 Ayurvedic Perspective

Vata Shamana: Medicated lipid matrices (Taila/Ghrita) used in Anuvasana Basti directly counteract the Ruksha (dry), Sita (cold), and Khara (rough) qualities of amplified Vata.

Srotosodhana: Herbal decoctions (Niruha Basti) purge accumulated toxins (Ama) and clear channel obstructions (Srotorodha), restoring normal movement of Vata (Anulomana).

4.2 Modern Physiological Mechanisms

Enteric Nervous System (ENS) Activation: The rectum and colon possess an intricate neural network connected directly to the Central Nervous System via the vagus and pelvic splanchnic nerves. Stimulation of intestinal mechanoreceptors by Basti modulates neural signals, aiding in pain regulation (Gate Control Theory).

Absorption and Pharmacokinetics: Lipophilic bioactive compounds present in Anuvasana Basti are absorbed through the rectal mucosa into the hemorrhoidal venous system, bypassing first-pass hepatic metabolism. This ensures high systemic bioavailability of active herbal constituents.

Gut-Brain Axis & Microbiome Modulation: Basti alters gut microbiota composition, reducing systemic inflammatory cytokines (such as TNF-alpha and IL-6) that contribute to sciatic nerve root inflammation.

5. DISCUSSION

Management of Gridhrasi through oral medications alone often yields delayed results because oral drugs must undergo complex digestion (Jatharagni Paka) before reaching the targeted tissue (Dhatu). In contrast, Basti Chikitsa bypasses the upper digestive tract, exerting rapid local and systemic effects.

The combination of Purvakarma (Abhyanga with Vata-hara oils and Nadi Sweda) relaxes regional muscle spasms, enhances capillary circulation, and lowers tissue resistance. Subsequently, structured Basti protocols (such as Yoga Bastior Kala Basti) reduce nerve inflammation and facilitate spinal tissue regeneration.

6. CONCLUSION

Basti Chikitsa is not merely an evacuative bowel therapy, but a highly sophisticated drug-delivery system that treats root pathophysiological mechanisms. For managing Gridhrasi (Sciatica), it offers a clinically proven, safe, and biologically sound alternative to conventional conservative and surgical options. Integrating classical Panchkarma protocols with ongoing clinical research will further solidify its place in global pain management modalities.

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