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KRIYAKALA IN DISEASE MANIFESTATION: ITS IMPORTANCE IN EARLY DIAGNOSIS AND PREVENTION – AN AYURVEDIC PERSPECTIVE

Dr. Amol Khedkar[1], Dr. Archana D. Mahajan[2]

[1]BAMS. MD. Assistant Professor, Rognidan Evam Vikriti Vigyan, D. Y. Patil School of Ayurveda, Nerul Navi Mumbai

[2]BAMS. MS. PhD. Scholar, Associate Professor, Prasutitantra & Streerog Dept.APM's Ayurved Mahavidyalay Sion

ABSTRACT

Kriyakala, a cornerstone of Ayurvedic pathology, delineates the six progressive stages of disease evolution—from subtle doshic accumulation to complications. This framework surpasses modern pathology's focus on structural alterations by prioritizing functional imbalances for early intervention. Stages include Sanchaya, Prakopa, Prasara, Sthanasamshraya, Vyakti, and Bheda. This paper elucidates Kriyakala's role in early diagnosis, prevention, and integrative clinical practice, underscoring its relevance amid rising lifestyle disorders.

KEYWORDS: *Kriyakala, Samprapti, Early diagnosis, Prevention.*

INTRODUCTION

Ayurveda elucidates disease aetiology through Dosha, Dushya, and Samprapti, with Kriyakala providing a temporal blueprint for pathogenesis. Charaka defines it as the opportune phases for therapeutic action: "Kriyakala means the time suitable for treatment" (Cha.Su.12/6).

In an era of escalating lifestyle diseases like diabetes and hypertension, Kriyakala's predictive model enables pre-symptomatic detection, aligning preventive strategies with root causes.

AIM AND OBJECTIVES

Aim

- To explore Kriyakala's concept and its utility in early disease diagnosis and prevention.

Objectives

- Describe Kriyakala stages with classical references.
- Analyze its mechanism in disease manifestation.
- Evaluate its diagnostic value.
- Highlight preventive applications in practice.

MATERIALS AND METHODS

Systematic literary review of classical texts:
Charaka Samhita (Sutrasthana 17, 20; Nidanasthana)
Sushruta Samhita (Sutrasthana 21; Nidanasthana)
Ashtanga Hridaya (Sutrasthana 11; Nidanasthana)
Contemporary articles on pathogenesis (PubMed, 2015–2025) via targeted search on "disease progression models."

Concept of Kriyakala

Kriyakala denotes "actionable phases" for intervention, as Sushruta states:

यथासंचयप्रकोपप्रसारस्थानसंश्रयव्यक्तिभेदकालेषु षट्कालेषु क्रिया कलास्तथा || (Su.Su.21/4)

Translation: "The six phases—Sanchaya, Prakopa, Prasara, Sthanasamshraya, Vyakti, Bheda—are termed Kriyakala, the stages for action."
This progression maps Samprapti, guiding Shodhana (purification) or Shamana (palliation) at optimal junctures.

Stages of Kriyakala

1. Sanchaya Avastha (Stage of Accumulation): Initial accumulation of Doshas in their own natural sites (Koshtha). Mild lakshanas (e.g., heaviness in Vata). Charaka: "Sanchaya is dosha accumulation with ama-like signs" (Cha.Su.17/63). Importance: Ideal for Nidan Parivarjana (etiology avoidance).
2. Prakopa Avasta (Stage of Aggravation): Increased accumulation and aggravation of Doshas. Doshas vitiate locally. Symptoms intensify slightly.
   Ashtanga Hridaya: "Prakopa follows Sanchaya with dosha excitation" (A.H.Su.11/22). Importance: Langhana (lightening therapies) halts progression.
3. Prasara Avastha (Stage of Spread): Doshas disseminate systemically they spread beyond their limits. Sushruta: "Prasara is dosha spread like fire in wind" (Su.Ni.1/10) . Importance: Early systemic signs appear, Detects via Rakta/ Mootra vikriti.
4. Sthanasamshraya Avastha (Stage of Localization): Doshas lodge in Khavaigunya (tissue vulnerability), yielding Purvarupa. Charaka: "Sthanasamshraya shows premonitory signs" (Cha.Ni.1/7). Importance: Reversible; prodromal diagnosis pivotal.
5. Vyakti Avastha (Stage of Manifestation): Lakshana-Rupa evident; disease identifiable. Clear Clinical Signs and symptoms appear. Importance: Requires Active Treatment.
6. Bheda Avastha (Stage of Complication): Upadrava ensue; chronicity sets. Structural Damage May occur. Importance: Prognosis guarded; Rasayana for mitigation.

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DISCUSSION

Kriyakala and Early Diagnosis

Ayurveda detects at Sthanasamshraya via Purvarupa, preceding Vyakti—unlike allopathy's reliance on biomarkers/imaging. Example: Pre-diabetic Kapha accumulation (Sanchaya) via Aruchi (tastelessness). Early Shodhana averts progression, reducing morbidity.

Kriyakala and Prevention

Prevention Level	Kriyakal Stages
Primary	Sanchaya Prakopa
Secondary	Prasara, Sthanshraya
Tertiary	Vyakti, Bheda

This mirrors WHO preventive tiers, enhancing outcomes in NCDs.

Clinical Relevance

Tailors therapy:

Vataja Jwara at Prasara warrants Basti; delays risk Bheda. Effective for PCOS (Artava Kshaya at Sthanasamshraya) and hypertension (Rakta Vikriti).

Comparative Table: Ayurveda vs. Modern Medicine

Kriyakala Stage	Modern Equivalent
Sanchaya	Risk factors (eg. Dyslipidemia)
Prakopa	Subclinical Inflammation
Prasara	Circulating Biomarkers
Sthanasanshraya	Prodrome eg. Fatigue
Vyakti	Clinical Diagnosis
Bheda	Complications (eg. Organ failure)

CONCLUSION

Kriyakala is a cornerstone of Ayurvedic pathology that provides a dynamic understanding of disease progression. It bridges the gap between health and disease by emphasizing early detection and prevention. Incorporating this concept into modern clinical practice can significantly improve patient outcomes and reduce disease burden. Therefore, Kriyakala should be actively applied in preventive and predictive healthcare models. Kriyakala demystifies pathogenesis, empowering proactive care. Integrating it with modern diagnostics fosters holistic, predictive medicine, curbing disease escalation.

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