

# Applied Aspects of Viruddha Ahara in Type 2 Diabetes Mellitus: A Conceptual Review

**Dr. Pradnya Govindrao Shelke**

PG scholar, Department of Samhita Siddhanta

YMT Ayurveda College Kharghar, Navi Mumbai

pradnyashelke4@gmail.com

**Abstract:** Diet plays a pivotal role in the maintenance of metabolic health and the prevention of lifestyle disorders. Ayurveda conceptualises food not only as nourishment but also as a decisive factor influencing physiological balance and disease manifestation. The doctrine of *Viruddha Ahara* (incompatible diet) occupies a central position in Ayurvedic pathology, as it encompasses improper food combinations, faulty processing, unsuitable quantities, and violations of dietary rules that disturb *Agni*, vitiate *Dosha*, and promote *Ama* formation. In the present era, rapid lifestyle transitions and unhealthy dietary patterns have led to a marked rise in Type 2 Diabetes Mellitus, a condition that closely resembles *Avaranajanya Madhumeha* described in classical Ayurvedic texts. This conceptual review critically examines the applied aspects of *Viruddha Ahara* in the etiopathogenesis and management of Type 2 Diabetes Mellitus. Classical Ayurvedic literature and relevant contemporary studies were analysed to explore the role of incompatible dietary practices in metabolic derangements. The review highlights that long-term consumption of *Viruddha Ahara* contributes to *Kapha* and *Pitta* aggravation, *Meda* and *Kleda* accumulation, and obstruction of *Vata*, thereby facilitating diabetic pathology. Emphasis is placed on *Nidana Parivarjana* as a fundamental preventive and therapeutic strategy. Understanding *Viruddha Ahara* in the context of modern dietary habits offers valuable insights for dietary counselling, disease prevention, and integrative management of Type 2 Diabetes Mellitus.

**Keywords:** *Viruddha Ahara*; Type 2 Diabetes Mellitus; *Avaranajanya Madhumeha*; *Nidana Parivarjana*; Lifestyle disorders

## I. INTRODUCTION

Diet occupies a central position in both the prevention and pathogenesis of lifestyle disorders. In Ayurveda, food is not merely a source of nourishment but a determinant of health and disease depending upon its quality, quantity, processing, combination, and mode of intake.<sup>[1]</sup> Among the various dietary concepts elaborated in classical Ayurvedic literature, *Viruddha Ahara* (incompatible or unwholesome diet) holds particular importance due to its profound pathological implications. The term *Viruddha* denotes incompatibility, opposition, or antagonism, referring to food substances, combinations, or dietary practices that possess qualities opposite to those of the body tissues (*dhatu*) and thereby vitiate them.<sup>[2]</sup> Such incompatibility disturbs physiological harmony and predisposes the individual to disease. Ayurvedic classics extensively describe *Viruddha Ahara* as a significant etiological factor for a wide spectrum of disorders. Intake of incompatible food has been clearly mentioned as a causative factor for severe and chronic diseases such as *kushtha* (skin diseases), *visarpa* (erysipelas), *unmada* (psychiatric disorders), and other *nindita vyadhi* (difficult-to-treat diseases).<sup>[3]</sup> Charaka has emphasised *Viruddha Ahara* as the foremost cause of such conditions, highlighting its strong disease-producing potential. The toxic impact of incompatible food combinations is further explained in terms of *ama* and *gara visha*, wherein the effects may be immediate or manifest gradually after prolonged consumption, ultimately leading to systemic derangements and even fatal outcomes.<sup>[4]</sup>

In the contemporary era, rapid urbanisation, industrialisation, and globalisation have profoundly altered dietary habits. The routine consumption of processed, packaged, fast, and junk foods, often in incompatible combinations, has become commonplace, frequently without awareness of their long-term consequences.<sup>[5]</sup> Modern nutritional science



increasingly recognises food-food interactions, food intolerances, allergies, and metabolic toxicities, which conceptually parallel the Ayurvedic understanding of *Viruddha Ahara*.<sup>[6]</sup> Consequently, revisiting and applying this classical concept has become highly relevant for preserving health and preventing disease in present-day populations. Faulty dietary habits are a major contributor to lifestyle disorders, and Ayurveda places strong emphasis on *nidana parivarjana*, the avoidance of causative factors as the first line of treatment.<sup>[7]</sup> To prevent dietary incompatibilities, Ayurveda has laid down systematic dietary principles such as *ashtavidha ahara visheshayatana*, *dwadasha ahara pravichara*, and *ahara vidhi vidhana*.<sup>[8]</sup> Awareness and application of these guidelines can correct unhealthy eating behaviours, minimise toxic effects, and serve as an effective preventive strategy against chronic metabolic diseases.

Among lifestyle disorders, Diabetes Mellitus type 2 has emerged as a major global health challenge, with rapidly increasing prevalence due to sedentary habits, psychological stress, obesity, and unhealthy dietary patterns.<sup>[9]</sup> In Ayurveda, Diabetes Mellitus closely resembles *Avaranajanya Madhumeha*, where *Kapha* and *Pitta* dosha, along with *Meda* and *Kleda*, play a crucial role in pathogenesis.<sup>[10]</sup> Classical texts clearly identify excessive intake of *apathyahara*, characterised by heavy, sweet, oily, cold, and incompatible foods as a principal causative factor for *Prameha*. These descriptions strikingly correlate with modern dietary risk factors for type 2 diabetes, such as high intake of refined carbohydrates, saturated fats, sugar-sweetened beverages, and energy-dense foods.<sup>[11]</sup>

Furthermore, Ayurveda attributes lifestyle disorders to *Prajnaparadha* (intellectual blasphemy), wherein an individual knowingly engages in unhealthy dietary and behavioural practices. Such repeated errors in judgment lead to metabolic imbalance, accumulation of toxins, and derangement of physiological processes. In this context, *Viruddha Ahara* can be viewed as a practical manifestation of *Prajnaparadha*, contributing significantly to the onset and progression of type 2 Diabetes Mellitus and its complications.

Given the alarming rise in diabetes and its associated morbidity and mortality, there is an urgent need to explore preventive and therapeutic strategies rooted in holistic health sciences. Ayurveda offers a comprehensive framework through dietary regulation, lifestyle modification, detoxification therapies, and rejuvenation measures. Understanding the applied aspects of *Viruddha Ahara* in relation to type 2 Diabetes Mellitus can provide valuable insights into disease prevention, dietary counselling, and integrative management. Hence, this review aims to critically analyse the concept of *Viruddha Ahara* and its applied relevance in the pathogenesis and management of Diabetes Mellitus type 2, bridging classical Ayurvedic wisdom with contemporary lifestyle challenges.

## II. MATERIALS AND METHODS

The present work is a conceptual literary review based on classical Ayurvedic texts such as *Charaka Samhita*, *Sushruta Samhita*, and *Ashtanga Hridaya*, along with relevant contemporary literature. References related to *Viruddha Ahara* and *Prameha* were critically analysed and interpreted to understand their applied relevance in Type 2 Diabetes Mellitus.

## III. RESULTS AND DISCUSSION

A comprehensive review of classical Ayurvedic texts, along with supportive contemporary literature, highlights a strong conceptual relationship between *Viruddha Ahara* (incompatible diet) and the etiopathogenesis of Diabetes Mellitus Type 2, which closely corresponds to *Avaranajanya Madhumeha* described in Ayurveda. Classical references consistently emphasise improper food combinations, faulty dietary habits, and violation of dietary principles as important causative factors for metabolic and lifestyle disorders.

### Conceptual Association of *Viruddha Ahara* with Type 2 Diabetes Mellitus

Ayurvedic treatises describe *Viruddha Ahara* as food that disturbs the equilibrium of *Dosha*, weakens *Agni*, and leads to the formation of *Ama*. When examined in the context of Type 2 Diabetes Mellitus, this description aligns well with the pathogenesis of *Avaranajanya Madhumeha*, where aggravated *Kapha* and *Pitta* obstruct the normal functioning of *Vata*, particularly *Apana Vata*.<sup>[12]</sup> The principal *Dushyas* involved are *Meda* and *Kleda*, both of which are directly influenced by dietary habits.

Commonly described dietary practices in classical texts, such as excessive consumption of milk and milk products, curd, sweets, heavy, oily, cold, and incompatible food combinations, reflect modern dietary patterns associated with

Type 2 Diabetes Mellitus.<sup>[13]</sup> Many of these practices fall under various categories of *Viruddha Ahara*, including *Samyoga Viruddha*, *Agni Viruddha*, *Kala Viruddha*, *Sanskara Viruddha*, *Matra Viruddha*, and *Vidhi Viruddha*.<sup>[14]</sup>

### **Role of Agni, Ama, and Dosha in Disease Manifestation**

The central mechanism by which *Viruddha Ahara* contributes to disease formation is impairment of *Agni*. Incompatible food combinations disturb *Jatharagni* and *Dhatvagni*, leading to incomplete digestion and the formation of *Ama*. This *Ama* acts as a toxic and obstructive substance that accumulates in bodily channels (*Srotas*), particularly *Rasavaha* and *Medovaha Srotas*.<sup>[15]</sup>

Aggravated *Kapha Dosha*, due to the heavy (*guru*), unctuous (*snigdha*), cold (*sheeta*), and slimy (*picchila*) nature of many incompatible foods, results in *Medovridhi* and increased *Kleda*. This further leads to obstruction (*Avarana*) of *Vata*, a key pathological event in *Avaranajanya Madhumeha*.<sup>[16]</sup> Clinically, this manifests as excessive urination, turbidity of urine, fatigue, heaviness of the body, and impaired metabolism, which are characteristic features of Type 2 Diabetes Mellitus.

### **Viruddha Ahara and Chronic Metabolic Derangement**

Classical texts explain that the effects of *Viruddha Ahara* may be immediate or delayed, acting similarly to *Gara Visha*. This concept is particularly relevant in chronic metabolic disorders like Type 2 Diabetes Mellitus, where incompatible dietary practices, when followed over long periods, gradually weaken metabolic processes and lead to systemic involvement.<sup>[17]</sup>

Repeated intake of incompatible food combinations causes progressive vitiation of *Rasa Dhatus*, which subsequently affects other *Dhatus*, especially *Meda*. This sequential tissue involvement explains the slow and progressive nature of Type 2 Diabetes Mellitus and its associated complications, such as *Grahani Dosha*, *Sthoulya*, *Hridroga*, *Vatarakta*, and other *Upadravas* described in Ayurvedic literature.<sup>[18]</sup>

### **Correlation with Contemporary Dietary Practices**

Modern dietary habits, such as consumption of processed foods, reheated oils, milk-based desserts with fruits, bakery products containing milk and eggs, honey with warm water, and protein-carbohydrate heavy meals, resemble classical descriptions of *Viruddha Ahara*. These practices disturb digestion, promote fermentation, and generate metabolic waste, which conceptually parallels the Ayurvedic notion of *Ama* formation.<sup>[19]</sup>

Contemporary scientific explanations related to impaired enzymatic activity, oxidative stress, gut dysbiosis, and chronic inflammation further strengthen the relevance of the Ayurvedic understanding of incompatible food combinations. Thus, the ancient concept of *Viruddha Ahara* provides a foundational framework for interpreting modern lifestyle-related metabolic disorders.<sup>[3]</sup>

### **Viruddha Ahara as a Manifestation of Prajnaparadha**

Ayurveda identifies *Prajnaparadha* (intellectual error) as a fundamental cause of disease. The habitual consumption of incompatible foods, despite awareness of their adverse effects, represents a clear example of *Prajnaparadha*.<sup>[20]</sup> Such behaviour, combined with a sedentary lifestyle, excessive sleep, psychological stress (*Chinta* and *Vishada*), and neglect of daily and seasonal regimens, contributes significantly to the manifestation of Type 2 Diabetes Mellitus.

Thus, *Viruddha Ahara* should be viewed not merely as an isolated dietary fault but as part of a broader lifestyle derangement that disrupts physiological balance.

### **Therapeutic and Preventive Implications**

From a therapeutic perspective, Ayurveda emphasises *Nidana Parivarjana* as the foremost approach in the management of *Prameha*. Avoidance of incompatible food combinations, adherence to proper dietary rules (*Ahara Vidhi*), observance of *Ashtavidha Ahara Visheshayatana*, and strengthening of *Agni* are essential measures for preventing disease progression.



Classical texts also advocate *Shodhana* therapies such as *Vamana* and *Virechana* in suitable individuals, followed by *Shamana* measures and appropriate dietary regulation. Such an approach addresses the root cause by eliminating *Ama*, restoring *Agni*, and re-establishing *Dosha* equilibrium.<sup>[21]</sup>

The literary exploration of classical Ayurvedic texts clearly establishes *Viruddha Ahara* as a major etiological factor in the development of Type 2 Diabetes Mellitus. Through its adverse effects on digestion, *Dosha* balance, tissue metabolism, and bodily channels, incompatible dietary practices create a conducive environment for *Avaranajanya Madhumeha*. The concept remains highly relevant in the present era and offers valuable insights for prevention, dietary counselling, and holistic management of Type 2 Diabetes Mellitus.

#### IV. CONCLUSION

The Ayurvedic concept of *Viruddha Ahara* holds significant relevance in understanding the etiopathogenesis of Type 2 Diabetes Mellitus, as incompatible dietary practices impair *Agni*, vitiate *Dosha*, and promote *Ama* formation. Avoidance of such dietary incompatibilities through *Nidana Parivarjana* and adherence to classical dietary principles offers a rational and holistic approach for the prevention and management of *Avaranajanya Madhumeha*.

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