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STHAULYA (OBESITY) IN AYURVEDA: *PATHYA*, *APATHYA*, DIET AND LIFESTYLE MANAGEMENT

Dr. Akanksha OP. Dubey*[1], Dr. Hemant S. Paradkar[2], Dr. Anaya A. Pathrikar[3]

[1]Post Graduate Scholar 3rd Year, [2]Associate Professor, [3]Professor and Head of Department, Department of Kayachikitsa, APM, Ayurved Mahavidyalaya, Sion, Mumbai.

***Corresponding Author: Dr. Akanksha OP. Dubey**

1Post Graduate Scholar 3rd Year, Department of Kayachikitsa, APM, Ayurved Mahavidyalaya, Sion, Mumbai.

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ABSTRACT

Sthaulya (obesity) is described in Ayurveda as a disorder characterized by excessive accumulation of Meda dhatu (adipose tissue) resulting from Kapha predominance and impaired metabolism.[1-3] It is associated with reduced physical activity, impaired digestion, and improper dietary habits.[1] Classical Ayurvedic texts emphasize the importance of dietary regulation (Ahara), lifestyle modification (Vihara), and behavioral discipline in the prevention and management of obesity.[1-3] The concept of Pathya (wholesome regimen) and Apathya (unwholesome regimen) forms the cornerstone of treatment,[1-3] This review compiles classical dietary recommendations and lifestyle guidelines described for Sthaulya and interprets them in light of modern nutritional principles.[6] Understanding these classical recommendations can provide an integrative framework for the effective management of obesity.[1–4]

KEYWORDS: *Sthaulya*, Obesity, Ayurveda, *Pathya*, *Apathya*, Diet therapy, Lifestyle management.

INTRODUCTION

Obesity is a growing global health concern associated with metabolic disorders such as diabetes mellitus, hypertension, cardiovascular disease, and dyslipidemia.[6-10] In Ayurveda, obesity is described as *Sthaulya* or *Medoroga*, which occurs due to excessive accumulation of *Meda dhatu* resulting from imbalance of *Kapha dosha* and *Agnimandya*.[1-3] Classical Ayurvedic texts such as *Charaka Samhita*, *Sushruta Samhita*, and *Ashtanga Hridaya* describe dietary and lifestyle measures as primary strategies for its management.

Improper dietary habits, excessive intake of sweet and unctuous foods, sedentary lifestyle, and lack of physical activity contribute significantly to the development of *Sthaulya*.[1]

Ayurveda emphasizes *Langhana* (lightening therapy), dietary control, and increased physical activity to restore metabolic balance [2]and reduce excess adiposity.

Pathophysiology of *Sthaulya*

According to Ayurveda, *Sthaulya* develops as a consequence of the excessive intake of *Madhura*, *Snigdha, and Guru āhāra*[1], coupled with a sedentary lifestyle and lack of exercise[2], which collectively lead to *Kapha* aggravation and *Agnimandya*.[1-3] This disturbed metabolic state promotes the abnormal accumulation of *Meda dhātu*, resulting in excessive fat deposition, impaired metabolic efficiency, and diminished physical endurance.[1-4]

Dietary Management (*Ahara Chikitsa*)

Dietary regulation constitutes a cornerstone in the management of *Sthaulya* (obesity).[1-3] The prescribed diet must be calorie-restricted yet nutritionally adequate, light (*laghu*) easily digestible, and sustainable for long-term adherence, thereby facilitating *Agni deepana* and *Medo-dhatu kshaya*.[1-3] Modern nutritional science similarly emphasizes a structured caloric deficit with balanced macronutrient distribution, ensuring effective and sustained weight reduction without compromising essential nutrient requirements.[6]

Characteristics of a Good Diet
A proper diet should be:
- Nutritionally adequate but low in calories
- Compatible with the individual's lifestyle
- Composed of foods that are acceptable and enjoyable
- Gradual in promoting weight loss
- Sustainable for lifelong practice

Nutritional Composition of Diet
A balanced distribution of nutrients is recommended:
Carbohydrates: 45–65% of total calories[6,14]
Proteins: 10–35% of total calories[6]
Fats: Approximately 30% of total calories[6]
Protein intake should include high-quality sources such as fish, eggs, dairy products, and legumes, which help maintain muscle mass during weight loss.[6]

Role of Fats in Diet
Fats play an important physiological role, including energy storage, thermal insulation, and protection of internal organs.[6] However, excessive fat consumption contributes to obesity.[6]
Healthy fats include: Nuts and seeds, Fish, Dairy products such as paneer and ghee (in moderation).

A balanced intake of fatty acids is recommended:
MUFA : PUFA : SFA ≈ 1:1:1
Trans fats present in processed foods should be avoided as they increase cardiovascular risk.[6.13]

Importance of Water Intake
Adequate hydration plays a vital role in maintaining metabolic efficiency, facilitating digestion, and promoting the elimination of metabolic waste.[6,14] Proper water intake helps regulate *Agni* and supports *Meda Dhātu* metabolism.[3] Thereby reducing excessive fat accumulation and fluid retention. Generally, consuming 2–3 liters of water daily is recommended, adjusted according to physical activity, climate, and individual constitution.

Role of *Uṣṇodaka* (Warm Water) in *Sthaulya*
In Ayurveda, *Uṣṇodaka* (warm water) is considered highly beneficial in managing Sthaulya due to its *Kapha–Meda hara* properties.[3]

Dīpana & Pācana: Enhances *Agni* and improves digestion, preventing *Āma* formation[3]

Lekhana Karma: Helps in scraping excess *Meda* (adipose tissue).[3]

Srotoshodhana: Clears microchannels (*Srotas*), improving metabolic transport.

Kapha–Vāta Śamana: Reduces heaviness, sluggishness, and fluid retention.[3]

Regular intake of warm water, especially after meals, aids in proper digestion and prevents further fat accumulation.

Role of *Ardhaviśiṣṭa Jala* (Reduced/Boiled Water)
Ardhaviśiṣṭa Jala refers to water boiled and reduced to half its quantity, making it lighter (*Laghu)* and more potent therapeutically.

Enhanced digestibility: Light and easily absorbable, supports weakened *Agni.*

Āma Pācana: [3]Assists in digestion and removal of metabolic toxins.

Meda Kṣhaya: [3]Helps in gradual reduction of excess fat tissue.

Tridoṣa balancing (especially *Kapha):* Particularly effective in *Kapha*-predominant *Sthaulya*.[3]. It assists in *Āma Pācana* and *Meda Kṣhaya.*[3] It is especially useful when taken lukewarm throughout the day in small quantities.

Practical Ayurvedic Recommendations
Prefer warm water over cold water.Use *Ardhaviśiṣṭa Jala* in individuals with sluggish metabolism and marked *Kapha* dominance.

Avoid drinking large quantities of water immediately after meals; instead, take small sips of warm water. Consistent use supports weight reduction, improves digestion, and promotes metabolic correction, as emphasized in classical texts describing the significance of water processing.[3]

Dietary Guidelines for Weight Reduction
To achieve gradual and sustainable weight loss:
Reduce daily calorie intake by 300–500 kcal for overweight individual[6]

For severe obesity, reduction of 500–1000 kcal/day may be recommended[6]

Weight loss goal: approximately 0.5 kg per week[6]

Very-low-calorie diets (VLCD) may produce rapid weight loss but are recommended only for short-term use under medical supervision.

***Pathya Āhāra* in *Sthaulya* (Obesity)**
Pathya Āhāra (wholesome diet) is the cornerstone in the management of *Sthaulya* (obesity) in Ayurveda. It aims to reduce *Kapha* and *Meda* (adipose tissue) while improving *Agni* (digestive/metabolic fire) and promoting lightness (Lāghava).[1-3]

General Principles of *Pathya Āhāra*
Laghu (light to digest) – prevents further *Meda* accumulation

Ruksha (dry) – counteracts excessive *Snigdha* (unctuousness)
Ushna (warm) – enhances digestion and metabolism
Tikta, Katu, Kashaya Rasa dominant – reduce *Kapha a*nd fat
Low calorie but nutrient-rich diet
Frequent small meals instead of heavy meals

Recommended Diet (*Pathya Ahara*)[1-2]
Table 1.

Whole Grains	Pulses	Vegetables	Fruits
Barley (*Yava*)	Lentils	Leafy vegetables	Low-calorie fruits in moderation
Oats	Green gram (*Mung dal*)	Bitter vegetables	Spices
Bajra	Pigeon pea (*Tuvar dal*)	Fiber-rich vegetables	Honey
Ragi (*Nachni*)	Horse gram, chick peas		

Digestive spices help improve metabolism
Fenugreek, Turmeric, Cumin, Ginger, Black pepper, Mustard, Asafoetida, Cinnamon, Clove, Coriander, Fennel.

Clinical Insight
Proper *Pathya Āhāra* alone, when followed strictly Can significantly reduce body weight, Enhances effect of Ayurvedic medicines, Prevents recurrence of obesity.

Concept of *Ajīrṇa Manjiri*
Ajīrṇa Manjiri refers to an Ayurvedic concept where specific food or substances are taken after overeating to counteract indigestion (*Ajīrṇa*).[3] It acts like a dietary antidote, helping to neutralize the adverse effects of excess or incompatible food intake.

It helps in: Stimulating *Agni*, Promoting *Pācana,* Reducing *Āma,* Restoring digestive balance. Examples:

Coconut rice → cold water
Mango juice → milk
Ghee → lemon juice
Banana → ghee
Sweets → warm water (*Uṣṇodaka*)
Jackfruit → banana
Shrikhand → *Trikatu Churna*
Jaggery → dry ginger (*Śuṇṭhī*)
Dry fruits → clove (*Lavanga*)
Sugar → ginger
These combinations help in mitigating the ill effects of excess consumption and support proper digestion.This concept reflects practical dietary correction described in Ayurvedic literature.[3]

The classical Ayurvedic texts also described recommended (*Pathya*) and Avoidable (*Apathya*) dietary items in the management of *Sthaulya* (obesity) according to Ayurvedic principles.[1-3]

Pathya–Apathya Ahara* in *Sthaulya
Table 2:

***Ahara* Varga**	***Pathya***	***Apathya***
Shuka Dhanya (Cereals)	*Yava* (Barley), *Venuyava, Kodrava, Nivara, Jurna*	*Godhuma* (Wheat), *Navanna* (New rice), *Shali*
Shami Dhanya (Pulses)	*Mudga* (Green gram), *Rajmasha, Adhaki, Kulattha* (Horse gram), *Chanaka* (Chickpea), *Masura* (Lentil)	*Masha* (Black gram), *Tila* (Sesame)
Shaka Varga (Vegetables)	*Vrunak, Patrashaka, Patola*	*Madhurashaka, Kanda* (sweet vegetables, tubers)
Phala Varga (Fruits)	*Kapittha, Jambu* (Jamun), *Amalaki*	*Madhura Phala* (sweet fruits)
*Dravya (*Liquids / Diet substances)	*Takra (*Buttermilk), *Madhu* (Honey), *Ushnodaka* (warm water), *Tila Taila, Sarshapa Taila*	*Dugdha* (Milk), *Ikshu* (Sugarcane products), *Navanita* (Butter), *Ghrita* (Ghee), *Dadhi* (Curd)
Madya (Fermented preparations)	*Arishta, Asava, Jirna Madya* (old wine)	
Mamsa (Meat)	*Rohita Matsya* (fish)	*Anupa Mamsa* (marshy animal meat), *Audaka Gramya Mamsa*

Dietary Practices
Healthy eating habits include[6,14]

- Eating smaller portion sizes
- Consuming foods rich in fiber
- Avoiding excessive fats and sugars
- Eating mindfully and Eating only when hungry
- Avoiding late-night meals
- Lunch should be the main meal of the day, while dinner should be light.

Foods to Avoid (*Apathya Ahara*)
The following foods should be restricted as it increase obesity and metabolic risk[6,13]
Sweet, sour, and oily foods, Refined carbohydrates, Bakery products, Sugary beverages, Ice cream and

cream-based dairy products, Red meat and fried foods, Processed and packaged foods, Leftover foods.

Incompatible Food Combinations
Viruddha Ahara (incompatible diet) impairs digestion and metabolism.[1-3]

Examples include Milk with fish or meat, Yogurt with sour fruits or hot foods, Eggs with milk, Fruits consumed with heavy meals.

Tamasic Foods
Tamasic foods are believed to promote lethargy and poor metabolic activity.

These include Processed foods, Frozen foods, Excessively fatty foods, Heavy leftover foods.

Behavioral Strategies
Healthy eating behavior, supported by modern nutrition science[6], should include eating slowly and mindfully, avoiding distractions during meals, practicing portion control, avoiding emotional eating, and maintaining regular meal timings.

Consequences of Improper Dieting
Crash dieting and unhealthy dietary practices may result in reduced metabolic rate, loss of muscle mass, nutritional deficiencies, psychological stress, and rapid weight regain.[6]

Thus, effective management of *Sthaulya* requires not only the inclusion of wholesome dietary practices but also the conscious avoidance of harmful dietary habits and behaviors.

Classical Ayurvedic texts also describe recommended (*Pathya*) and avoidable (*Apathya*) lifestyle practices for the management of *Sthaulya* as shown below.[1-3]

Pathya–Apathya Vihara* in *Sthaulya
Table 3.

***Pathya* (Recommended Lifestyle)**	***Apathya* (To Avoid)**
Vyayama (Regular exercise)	*Avyayama* (Sedentary habits)
Nitya Bhramana (Daily walking/activity)	*Sukha Shaiya* (Comfort-seeking, inactivity)
Shrama (Physical exertion)	*Alasya* (Laziness)
Controlled *Jagarana* (avoiding excess sleep	*Divaswapa* (Day sleep)
Laghu, active lifestyle.	*Ati Nidra* / *Svapna Prasanga* (Excess sleep)
Manasika Vyapara (Mental engagement, alertness)	*Achintana* (Mental inactivity)
Nityaharsha (Positive mental state)	*Tamasika* lifestyle (Inertia, dullness)
Ushna Jala Snana (Warm water bathing)	*Sheeta Jala Snana* (Cold water bath)

Key Ayurvedic Principle
Chala Guna ↑ = Reduces *Sthaulya*
Sthira + *Guru* + *Snigdha* ↑ = Causes *Sthaulya*

Lifestyle Management (*Vihara*)
Lifestyle modifications are essential for obesity management. Recommended practices include regular physical exercise, increased daily activity such as walking, exposure to sunlight, *Udvartana* (dry powder massage), *Langhana* (therapeutic fasting), and Panchakarma procedures like *Virechana* and *Vamana* in selected cases.[2] Avoidance of daytime sleep and sedentary habits is advised. These interventions are well supported in classical Ayurvedic texts.[1-3]

CONCLUSION
Sthaulya represents a metabolic disorder resulting from imbalance of *Kapha dosha* and excessive accumulation of *Meda dhatu*.[1-3]

Ayurvedic management emphasizes dietary regulation, lifestyle modification, and behavioral discipline. Adoption of *Pathya Ahara*, avoidance of *Apathya* foods, and regular physical activity play a critical role in achieving sustainable weight management. Integrating these classical Ayurvedic principles with modern nutritional science may provide a comprehensive and effective approach to the prevention and management of obesity.[1-6]

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