

Ushapan: A Traditional Ayurvedic Practice for Preventing and Managing GIT Disorders

Dr. Mohammed Faruque¹, Dr. Brahmanand Sharma², Dr. Gajendra Kumar Dubey³

¹MD Scholar, PG Department of Swasthivritta, PGIA, DSRRAU, Jodhpur

²Associate Professor and HOD, PG Department of Swasthivritta, PGIA, DSRRAU, Jodhpur

³Assistant Professor, PG Department of Swasthivritta, PGIA, DSRRAU, Jodhpur

Abstract—The population as a whole has a massive health burden due to GIT disorders, ranging from indigestion to constipation and severe inflammatory bowel disease and gastrointestinal cancers. Last, but not least, they can be prevented, which among the methods include Ushapan, or an Ayurvedic therapy, which involves drinking water every morning. *Ushapan*, which involves consumption of water upon an empty stomach in the morning, is presumed to serve a number of purposes: turning on digestion, detoxification, and systemic hydration. This allows the maintenance of integrity of the mucosal lining alongside dissipation of gastric acids as well as the preparation of the system to absorption. Additionally, *Ushapan* regulates gut microbiota creating a favorable atmosphere in which beneficial bacteria multiply and ensuring avoidance of the cultivation of harmful microbes. Studies are pointing to the importance of hydration in managing and avoiding GIT disorders, and hence *Ushapan*. It has demonstrated high effectiveness in the relief of constipation through peristalsis and softening of bowel stool, relieve of hyperacidity and gastritis symptoms due to dilution of Hydrochloric acids and relieve symptoms of IBS such as bowel movement regularization. Further, *Ushapan* increases the mucosal protective factors, which are effective in the healing of peptic ulcers. Although there are many benefits related to the practice of *Ushapan* in Ayurveda, additional scrupulous study is imperative whether these benefits are viable in being incorporated in conventional prevention care. By means of embracing the holistic options, including *Ushapan*, the overall situation of good health would be enhanced and the threat of chronic gastrointestinal disorders would be reduced significantly.

Index Terms—Ushapan, gastrointestinal disorders, Ayurveda, hydration, gut microbiota, constipation, hyperacidity, IBS, peptic ulcers, preventive healthcare.

I. INTRODUCTION

Gastrointestinal tract (GIT) disorders constitute a broad category of conditions that involve the digestive system including the stomach, the intestines and other related organs. The disorders that these disorders can be either simple such as indigestion and constipation or worse such as inflammatory bowel disease and gastric malignancies. This has made medical studies about the management and prevention of GIT disorders over the years, hence leading to the research of some traditional as well as alternative treatment methods. Among such practices is the *Ushapan*, which is a ritualistic morning water treatment that traces its foundation to Ayurveda. It has been proposed to have so many health benefits with more evidently concerning the digestive system.

II. UNDERSTANDING USHAPAN

Ushapan is a Sanskrit term based on the words Usha, meaning morning, and Pan, meaning to drink. It is actually something having to do with drinking water in the morning on an empty stomach. It is one of the holistic dietary habits of the Ayurvedic routine and is referred to as *Din Acharya*, which is thought to help check and treat most health conditions and ailments. The water consumed upon *Ushapan* is usually recommended to be warm or at room temperature, and most of the time, it is infused with herbs or other beneficial substances, such as lemon or honey.

III. THE SCIENCE BEHIND USHAPAN

What underlies *Ushapan* is that it has a way of irritating the digestive system and inducing an overall detoxification effect. According to traditional practice,

drinking water in the morning is believed to wash out wastes produced during the night, rehydrate the body, and prepare the gastrointestinal passage for digestion during the day. It is also said to balance doshas, or body energies, and raise metabolic processes.

IV. MECHANISMS OF ACTION

1. Hydration and Detoxification

Water is necessary for the mucosal lining of the GIT, serving as a physical barrier to entry of pathogens and also for the efficient absorption of nutrients. *Ushapan* rehydrates the lost water of the body during the night sleep and hence maintains the integrity of the mucosal lining. Besides, adequate hydration is required for dilution of the gastric acids to avoid hyperacidity and its associated dis-comforts ^[1,2].

2. Digestive Enzymes Stimulation

Water intake in the morning on an empty stomach stimulates digestive enzymes and gastric juices. The priming done with this water intake helps in efficient digestion through the day and assimilation of nutrients. Higher enzymatic activity will also result in improved bowel movements, reducing chances of constipation and associated disorders ^[3].

3. Balancing Gut Microbiota

It aids to keep the gastrointestinal system healthy with the help of the gut microbiota. *Ushapan* can be helpful in providing a favorable place that promotes the development of healthy bacteria. This is because good hydration and frequent flushing of the waste products ensures that a large number of harmful bacteria does not develop in the body and hence a balanced gut microbiome is preserved ^[4].

V. PREVENTIVE ROLE OF *USHAPAN* IN SOME GIT DISORDERS

1. Constipation

Constipation is the most common GIT disorder, which may be defined as the passage of infrequent, hard, or difficult stools. This can be greatly alleviated by *Ushapan*, which promotes peristalsis and softens the stool. Other advantages of warm water intake are the relaxation of the intestinal muscles and provocation of bowel movement ^[5,6].

2. Hyperacidity and Gastritis

Hyperacidity and resulting gastritis lead to overproduction of stomach acid, resulting in heartburn, nausea, and abdominal pain. This is avoidable, and it is possible to abate gastritis symptoms by taking *Ushapan* predominantly with warm water, as it possesses the property of thinning stomach acids, thus causally decreasing irritation to the stomach lining ^[7,8].

3. Irritable Bowel Syndrome (IBS)

IBS is one of the functional gastrointestinal disorders that involves abdominal pain, bloating, and altered bowel habit. The exact etiology of IBS is not known, but adequate hydration is important for the management of symptoms. *Ushapan* can regulate bowel movements and reduce bloating, hence Symptomatic improvement in IBS patients ^[9,10].

4. Peptic Ulcers

Peptic ulcers are lesions that form in the mucous membranes of the stomach, small intestine, or esophagus; this condition may result from an imbalance in digestive fluids in relation to the protective mechanisms of the GIT lining. Enough hydration through *Ushapan* may help in improving mucosal defence by keeping adequate production of the mucus required for the healing process of ulcerated areas ^[11,12].

VI. CLINICAL EVIDENCE AND RESEARCH

While practices like *Ushapan* have been followed for generations and are easily instructed in Ayurveda, validation on scientific lines is required to be accepted by present-time medicine. Several studies on water intake benefits on an empty stomach are available; however, research directed on *Ushapan* is almost negligible.

Hydration and GIT Health

A study carried out indicated adequate hydration is significant in terms of gastrointestinal health. A study conducted by Popkin et al. revealed that in 2010, water played an immutable role in digestion and sufficient hydration sustained absorption of nutrients and elimination of waste products ^[13]. A review by Jequier and Constant presents a case, whereby water is said to

play a part in the preservation of the mucosal lining as well as preventing constipation ^[14].

Water Therapy in Ayurvedic Medicine

Research on ayurvedic activities such as *Ushapan* indicates that ancient procedure has the potential to supplement well-established forms of treatment. Evidence about the benefits of embracing Ayurveda in combination with modern medicine is outlined by a review by Patwardhan et al. (2013), which highlights that a combination of Ayurveda and modern medicine could improve patient outcomes ^[15]. The authors claim that conventional water treatments such as *Ushapan* can be largely used in the area of preventive treatment, especially in chronic diseases.

VII. SPECIFIC STUDIES ON USHAPAN

1. Singh et al. (2015) conducted a study on the effects of *Ushapan* on digestive health, finding significant improvements in symptoms of hyperacidity and constipation among participants ^[16].
2. Sharma and Sharma (2017) explored the impact of *Ushapan* on IBS patients, noting a marked reduction in symptoms such as bloating and irregular bowel movements ^[17].
3. Verma et al. (2018) investigated the role of *Ushapan* in enhancing gut microbiota balance, concluding that regular practice of *Ushapan* promotes a healthier gut environment ^[18].

VIII. PRACTICAL ISSUES AND RECOMMENDATIONS

Optimal Practice of Ushapan

Thus, *Ushapan* is best done daily in the morning. There is a variable quantity that has been recorded, but 500–600 ml of lukewarm or temperature-neutral water was the recommended dosage. Also advisable is to have at least half an hour of fasting after *Ushapan*, so that the water can be completely absorbed and detoxification started.

Incorporating Herbal Additives

Combining with some of the natural ingredients identified to have digestive advantages may improve the value of *Ushapan*. Lemon contains vitamin C that enhances the immune system, and so it comes in handy

when it comes to detoxification. The digestive tract may be relaxed by honey, which also possesses some antimicrobial capabilities. Ginger also has anti-inflammatory properties, and they assist even better in digestion ^[19,20].

IX. CONCLUSION

Ushapan is an age-old Ayurveda practice that offers a single and effective step that needs to be undertaken to keep the gastrointestinal health in tiptop condition. *Ushapan* can hence be prophylactic against a wide range of GIT disorders such as constipation, hyperacidity, IBS, and peptic ulcers in subjects who have sufficient hydration, stimulated digestive enzymes, and balanced GI microbiome. As *Ushapan* is based on traditional knowledge, it requires scientific results, which can authenticate its usefulness, so that it gets a niche in mainstream preventive health measures. The general health can be better with such holistic practices and prevented from settling as sometimes might be the result of chronic gastrointestinal conditions.

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