

Mind, Body, And Diabetes: A Journey To Wellness

BY INDRANILL BASU-RAY

The Global Challenge of Diabetes
Imagine a typical evening: after a hearty dinner, you crave something sweet. But as you reach for a pastry, an article on diabetes catches your eye, reminding you of this global health crisis. The World Health Organization reports a staggering 422 million people worldwide are affected by diabetes, a number that's expected to rise. In the United States, the Centers for Disease Control and Prevention (CDC) paints a concerning picture: 37.3 million Americans, or 11.3% of the population, have diabetes, with a significant portion undiagnosed.

Indian-Americans: A High-Risk Group
For Indian-Americans, the situation is particularly alarming. With a diabetes prevalence rate of 15.7%, they face a higher risk than other groups. This community tends to develop type 2 diabetes at a younger age, adding to the urgency. The American Diabetes Association's 2022 report underscores the economic impact, estimating the total cost for Indian Americans at \$36.4 billion.

Diabetes: A Multifaceted Health Issue
Often termed a "slow poison," diabetes is a complex condition associated with severe health risks like heart attacks, kidney failure, and blindness. Despite advances in medication, there's no cure. The focus in pharmaceutical development is on drugs that not only control blood sugar but also protect the heart, as cardiovascular complications are a leading cause of death among diabetics.

Lifestyle: The Key to Diabetes Management
Medications are vital but not sufficient. Lifestyle changes are the cornerstone of diabetes management. Countless individuals have successfully controlled their condition through significant lifestyle modifications. Yoga, in particular, has emerged as a beneficial practice, encompassing Asanas (Postures), Dharana (Mindfulness), and Dhyana (Meditation).

Yoga: A Scientifically Supported Solution for Diabetes Management

The integration of yoga into diabetes management is gaining significant traction in the medical community, backed by a growing body of scientific research. Studies published in respected journals like PLOS ONE and the Journal of Diabetes Research have illuminated the positive impact of yoga on key health markers for individuals with diabetes or at risk of developing the condition. These studies have consistently shown that regular yoga practice can lead to improvements in fasting blood glucose levels, an essential marker for blood sugar control. Additionally, yoga has been found to positively influence cholesterol levels, reducing the risk of heart disease, which is a common complication of diabetes.

The benefits of yoga extend beyond these physical health markers. The Asana – International Yoga Journal and research published in MDPI have emphasized yoga's role in enhancing overall physical fitness and preventing the progression of diabetes. This is particularly crucial for

those in the pre-diabetic stage, as it offers a natural and holistic way to halt the disease's advancement.

Exercise and Yoga: A Combined Force in Diabetes Management

Combining regular exercise with yoga creates a synergistic effect that can be highly beneficial for people with diabetes. When physical activities is coupled with specific yoga poses, such as Dhanurasana (Bow Pose) and Surya Namaskara (Sun Salutation), the benefits are amplified.

Dhanurasana, for instance, is known to stimulate the abdominal organs, enhancing the functioning of the pancreas and promoting better secretion of insulin. Surya Namaskara, a dynamic sequence of poses, not only improves cardiovascular fitness but also promotes a more profound internal balance, impacting the endocrine system positively.

These yoga practices, when performed regularly, aid in burning excess glucose in the body and stimulate the production of insulin, which is vital for blood sugar regulation.

Diet: A Fundamental Aspect of Diabetes Control

Diet plays a pivotal role in the management of diabetes. It's not just about what you eat, but also how and when you eat. A balanced diet, rich in whole grains, fresh fruits, and vegetables, provides essential nutrients while being low in unhealthy fats and calories. These foods have a lower glycemic index, meaning they have a lesser impact on blood sugar levels. Whole grains like oats, brown rice, and quinoa are excellent for maintaining steady blood glucose levels due to their high fiber content. Incorporating a variety of fruits and vegetables in your diet ensures a broad spectrum of vitamins and minerals, which are crucial for overall health.

Eating small, frequent meals is another key strategy. This approach helps in maintaining stable blood sugar levels throughout the day, preventing the highs and lows that can occur with larger, less frequent meals. It also aids in better digestion and absorption of nutrients. Portion control is essential, as overeating can lead to weight gain, a significant risk factor for developing type 2 diabetes.

Mental Health: An Overlooked Factor in Diabetes Management

Diabetes management extends beyond physical health to encompass mental well-being. Stress, anxiety, and depression can significantly impact blood sugar control. When stressed, the body releases hormones like cortisol and adrenaline, which can cause blood sugar levels to rise. This is why incorporating stress-reduction techniques such as mindfulness and meditation into your daily routine is vital.

Mindfulness involves being fully present in the moment and accepting it without judgment. This practice can reduce stress and improve your reaction to challenging situations, including managing diabetes. Meditation, on the other hand, helps in calming the mind and reducing stress. Regular meditation can lead to lower blood sugar levels, as it helps in reducing the stress response.

Education: Empowering Diabetics
Education plays a crucial role in managing diabetes. Understanding the disease, its risks, and the importance of lifestyle changes is essential for effective management. Healthcare providers and diabetes educators can offer valuable guidance and support.

Community Support: A Pillar of Diabetes Management

The support of family, friends, and community is vital in managing diabetes. A supportive environment can encourage healthy lifestyle choices, adherence to treatment plans, and provide emotional support.

Technology: Aiding Diabetes Management
Advancements in technology have made diabetes management more accessible. From glucose monitoring devices to mobile apps that track diet and exercise, technology aids in better control of the condition.

A Comprehensive Approach to Diabetes
While occasional indulgence in sweets is permissible, the essence of yoga—self-control and discipline—remains central to managing diabetes. Regular yoga practice, combined with a disciplined diet, exercise, mental well-being, education, community support, and technology, offers a robust defense against the complications of diabetes, ensuring a healthier, longer life.

Embracing a Holistic Approach to Diabetes Management

As we recognize the importance of a comprehensive approach to diabetes management, it's exciting to note that the American Academy For Yoga in Medicine is organizing a workshop specifically focused on this topic. Scheduled for the 13th of January, this workshop promises to be an invaluable resource for anyone looking to deepen their understanding of diabetes management.

Participants will receive guidance on creating a balanced diet tailored for diabetes management, incorporating mindfulness and meditation into their daily routine to reduce stress, and learning yoga poses that are particularly beneficial for diabetics. Additionally, the workshop will provide a wealth of scientific information, helping attendees to understand the why behind each recommendation and how these practices contribute to better diabetes control.

For more information and to register for the workshop, interested individuals can visit the American Academy For Yoga in Medicine's website at aaymonline.org. This workshop is not just an event but a step towards empowering individuals with diabetes to take control of their health and lead a balanced, fulfilling life.



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The author is a cardiologist, meditator, and yogi based in Memphis, Tennessee. He is the founder and chairman of the American Academy for Yoga in Medicine. He can be reached at ibr@aaymonline.org