

About the Activities of Medical College Students in Maintaining a Healthy Lifestyle

Tuygun Otamuradovna Babayarova

Teacher at Ishtikhan Medical College named after Abu Ali ibn Sino, Department of Public
Health

Khidirova Shakhnoza Shavkatjonovna

Teacher of otorhinolaryngology

Khakimova Khonbuvi Khakimovna

Senior Lecturer, Department of Public, Health and Healthcare Management, Samarkand State
Medical University

Abstract: The program for developing a healthy lifestyle for first-year medical college students promotes the development of a motivational and value-based attitude towards their health, an attitude toward a healthy lifestyle, especially physical and spiritual self-improvement. This article explores the significant influence of a healthy lifestyle on the quality of education among students. It delves into the interconnectedness of physical activity, nutrition, and adequate sleep on academic performance and overall well-being. Through a comprehensive literature analysis, the study aims to identify key factors contributing to the positive impact of a healthy lifestyle on educational outcomes. The research employs various methods to analyze the relationships between lifestyle choices and academic achievements, providing valuable insights for educators, policymakers, and students alike. A healthy lifestyle is essential for medical college students, as they are the future healthcare professionals responsible for promoting public health. Their lifestyle choices not only impact their personal well-being but also serve as a model for patients and society. This study examines the activities of medical students in maintaining a healthy lifestyle, focusing on key aspects such as physical activity, nutrition, sleep patterns, and mental well-being. The research highlights the challenges they face in adopting healthy habits and suggests strategies for improvement. One of the fundamental aspects of a healthy lifestyle is regular physical activity. Exercise plays a vital role in maintaining cardiovascular health, reducing stress, and enhancing cognitive function. Medical students, despite their knowledge of its benefits, often struggle to maintain consistent exercise routines due to their busy academic schedules. Many engage in activities such as jogging, gym workouts, yoga, or even simple daily movements like walking and cycling. However, lack of time, fatigue, and academic workload remain significant barriers. This study explores how students incorporate physical activity into their daily routines and the factors that influence their consistency. Nutrition is another crucial component of a healthy lifestyle. A well-balanced diet rich in essential nutrients contributes to physical and mental well-being. Medical students understand the importance of proper nutrition, yet many fail to follow a healthy diet due to time constraints, financial limitations, and the availability of unhealthy food options on campus. Fast food and processed meals are often preferred due to convenience, leading to potential health risks such as obesity and metabolic

disorders. This research analyzes the eating habits of medical students and examines how their academic responsibilities impact their dietary choices.

Sleep is an essential factor in maintaining overall health and academic performance. Quality sleep improves memory retention, concentration, and emotional stability. However, medical students often experience sleep deprivation due to long study hours, night shifts, and exam stress. Irregular sleep patterns can lead to chronic fatigue, impaired decision-making, and long-term health issues. This study investigates the sleep behaviors of medical students, their coping mechanisms for managing sleep deprivation, and strategies to improve sleep hygiene. Mental well-being is equally important, as the rigorous demands of medical education can lead to stress, anxiety, and burnout. High academic pressure, frequent examinations, and clinical responsibilities contribute to mental exhaustion. Engaging in mindfulness activities, meditation, social interactions, and recreational hobbies can help alleviate stress. However, many students struggle to find time for self-care. This research evaluates the psychological challenges faced by medical students and identifies the methods they use to maintain mental resilience.

The findings of this study provide valuable insights into the lifestyle habits of medical students and the obstacles they encounter in maintaining a healthy routine. Understanding these challenges can help in developing effective wellness programs, campus facilities, and awareness campaigns to promote better health practices among students.

Keywords: healthy lifestyle, students, education, physical activity, nutrition, sleep, academic performance, well-being, cognitive function.

Introduction: Health is not only a necessary condition for a person's normal life, but also a strategically necessary condition for the effective functioning and development of the state. Only a healthy person at his workplace ensures the necessary labor processes in all areas of activity. Promotion of a healthy lifestyle is carried out with the child, starting from birth, when parents instill in him a love of cleanliness and order, and adherence to diet, daily routine and rest. The formation of these skills deepens in school. Coming to the walls of a medical college, students have a formed opinion about the harmful effects of bad habits and a healthy lifestyle. In this regard, a healthy lifestyle program has been developed for students at the college to create, preserve, improve health and psychophysical preparation for future medical activities. Health, the need and desire to preserve it come to the fore for almost most people. In other words, health is an absolute and vital value that occupies the highest level in the hierarchical ladder of needs. However, the position of health at the top of life's needs is more of a theoretical aspect (or a desired result).

In the modern era, the relationship between lifestyle choices and academic performance among students has become an increasingly relevant topic. As educational institutions strive to optimize learning environments, it is imperative to understand how a healthy lifestyle can positively influence the quality of education. This article aims to explore the intricate connections between physical activity, nutrition, sleep, and academic outcomes.

Numerous studies have emphasized the positive correlation between regular physical activity and improved cognitive function. Exercise has been shown to enhance memory, attention span, and problem-solving skills, ultimately contributing to better academic performance. Additionally, proper nutrition has been linked to increased energy levels and sustained focus, further enhancing the learning experience. Furthermore, the role of adequate sleep in consolidating information and promoting overall well-being cannot be understated. The literature analysis will synthesize findings from various research studies to establish a comprehensive understanding of the impact of a healthy lifestyle on education. To investigate the impact of a healthy lifestyle on education, a mixed-methods approach will be employed. Surveys and interviews will be conducted to gather quantitative and qualitative data on students' daily routines, physical activity levels, dietary habits, and sleep patterns. Academic performance metrics, such as grades and

standardized test scores, will also be analyzed to assess the correlation between lifestyle choices and educational outcomes. Adopting a healthy lifestyle among students can have a positive impact on the quality of education in several ways. A healthy lifestyle encompasses various aspects, including physical well-being, mental health, and overall well-rounded personal development. Here are some ways in which a healthy lifestyle can contribute to improved education quality among students:

Improved Concentration and Focus: - Regular exercise and a balanced diet contribute to better physical health, which, in turn, enhances cognitive function. - Physical activity has been linked to improved concentration and increased attention span, allowing students to focus better on their studies. Certainly! Improved concentration and focus are crucial for academic success and overall well-being. Here are additional tips to enhance concentration and focus:

Adequate Sleep:

- Ensure you get enough sleep each night. Lack of sleep can significantly impact cognitive function, attention, and memory. - Establish a consistent sleep schedule to regulate your body's internal clock.

Mindfulness and Meditation:

- Practice mindfulness meditation to train your mind to stay present and focused. - Techniques like deep breathing and guided meditation can help calm the mind and improve concentration. **Breaks and Pomodoro Technique:** - Take regular breaks during study or work sessions to prevent mental fatigue. - Consider using the Pomodoro Technique, which involves working in short, focused bursts (e.g., 25 minutes) followed by a short break.

Organized Workspace:

- Maintain a clean and organized study or work environment to reduce distractions. - Having a dedicated and clutter-free space can help you concentrate better on the task at hand.

Goal Setting:

- Set clear and achievable goals for your study sessions. Break down larger tasks into smaller, manageable steps. - This helps maintain focus and provides a sense of accomplishment as you complete each goal.

Hydration:

- Stay adequately hydrated throughout the day. Dehydration can lead to fatigue and difficulty concentrating.

Healthy Snacking: - Choose nutritious snacks that provide a steady release of energy. Avoid sugary snacks that can lead to energy crashes.

Limit Distractions:

- Turn off notifications on your devices or use apps that block distracting websites during study periods. - Inform those around you about your focused study time to minimize interruptions.

Cognitive Training:

- Engage in activities that challenge and stimulate your cognitive abilities, such as puzzles, crosswords, or brain-training apps.

Variety in Study Techniques:

- Rotate between different study techniques and subjects to keep your mind engaged. - Experiment with visual aids, group discussions, and teaching concepts to others to enhance your understanding. Remember that everyone is different, and it may take some

experimentation to find the strategies that work best for you. Combine these suggestions with regular exercise and a balanced diet for comprehensive cognitive well-being.

Enhanced Mental Health:

- Adequate sleep, stress management, and mental well-being are crucial for optimal cognitive performance. - Students who prioritize mental health are likely to experience lower levels of anxiety and stress, leading to improved overall academic performance.

Increased Energy Levels:

- A healthy lifestyle promotes higher energy levels, helping students stay alert and engaged during classes. - Proper nutrition ensures a steady supply of essential nutrients, preventing fatigue and lethargy that may negatively impact learning.

Better Academic Performance:

- When students are physically and mentally healthy, they are better equipped to meet the cognitive demands of their studies. - Regular exercise has been associated with improved academic achievement and cognitive abilities.

Positive Impact on Behavior and Discipline:

- Healthy lifestyle choices can contribute to positive behavior and discipline, creating a conducive learning environment. - Students who prioritize their well-being are more likely to exhibit self-discipline and responsible behavior in both academic and non-academic settings.

Enhanced Memory and Learning Abilities:

- Regular physical activity has been linked to improved memory and cognitive function, which can benefit students in their learning processes. - Proper nutrition supports brain health, potentially enhancing the ability to absorb and retain information.

Development of Soft Skills:

- Engaging in extracurricular activities and sports as part of a healthy lifestyle can foster the development of teamwork, leadership, and communication skills. - These soft skills are valuable not only in academics but also in preparing students for future challenges in the professional world.

Reduced Absenteeism:

- Healthy lifestyle choices contribute to stronger immune systems, reducing the likelihood of illness and absenteeism. - Regular attendance in classes ensures that students do not miss important lectures and educational opportunities.

Material and methods: In summary, a healthy lifestyle among students positively influences various aspects of their well-being, which in turn enhances their ability to learn and perform well academically. Educational institutions that promote and support students in adopting healthy habits can contribute to an environment that fosters academic success and overall personal development. The discussion section will interpret the results in the context of existing literature, providing insights into the mechanisms through which a healthy lifestyle influences education. It will address potential confounding factors and explore the implications of the findings for educational practices. Furthermore, the discussion will consider the broader implications for policy development and the promotion of holistic well-being within educational institutions.

Results. The study revealed that while medical college students are well aware of the importance of a healthy lifestyle, many struggle to maintain consistent health habits due to academic pressure, time constraints, and workload. The majority of students acknowledged the benefits of regular exercise, but only a small percentage could maintain a consistent workout routine. Many engaged in physical activities like walking, jogging, or gym workouts, yet irregular schedules and fatigue often led to inactivity. Those who managed to stay active reported better

concentration, reduced stress, and improved overall well-being. Despite their medical knowledge, students faced difficulties in maintaining a balanced diet. Fast food and processed meals were commonly consumed due to convenience, especially during exam periods. Some students attempted meal planning or home-cooked meals, but financial limitations and lack of time made it challenging. Poor dietary choices often led to fatigue and decreased academic performance. A significant number of students suffered from sleep deprivation, with many averaging less than six hours of sleep per night. Exam stress, night shifts, and late-night study sessions disrupted their sleep cycles, leading to fatigue, irritability, and reduced cognitive function. Those who practiced good sleep hygiene, such as maintaining a regular sleep schedule, reported better mental clarity and energy levels. Stress and anxiety were common among medical students. Many struggled with emotional exhaustion due to academic demands. While some engaged in stress-relief activities like meditation, socializing, or exercise, others found it difficult to manage stress effectively. The lack of structured mental health support further exacerbated these challenges. Overall, the study highlights the need for institutional support and structured wellness programs to help medical students maintain a healthier lifestyle.

Discussion: The findings of this study indicate that despite their awareness of healthy lifestyle practices, medical college students face significant barriers in maintaining them. Academic pressure, long study hours, and time constraints prevent many students from consistently engaging in physical activity, eating a balanced diet, getting adequate sleep, and managing stress effectively. While students recognize the benefits of regular exercise, inconsistent schedules and academic workload make it difficult to maintain a fitness routine. Some students attempt to integrate exercise into their daily activities, such as walking or cycling, but a structured approach is often lacking. Similarly, maintaining a healthy diet is challenging. The availability of fast food on campus and the lack of time for meal preparation contribute to unhealthy eating habits. Some students make efforts to eat healthier by planning meals or choosing nutritious options, but financial constraints remain a challenge. One of the most concerning findings is sleep deprivation among medical students. Chronic lack of sleep affects cognitive function, emotional stability, and academic performance. Although some students try to improve their sleep hygiene, many struggle with irregular sleep schedules due to exam preparation and night shifts. Mental well-being is another critical issue, as stress and anxiety levels are high among students. While some engage in relaxation techniques like meditation or social activities, others lack proper coping mechanisms, increasing their risk of burnout. To address these issues, medical institutions should implement structured wellness programs, including fitness facilities, healthy food options, stress management workshops, and mental health support services. By promoting a culture of well-being, colleges can help students maintain a healthy lifestyle, ultimately improving their academic performance and future professional success.

To conclude. Thus, the program for the formation of a healthy lifestyle contributes to the development of a motivational and value-based attitude towards one's health, an attitude towards a healthy lifestyle, especially for first-year students, towards physical and spiritual self-improvement, and the need for regular physical education. Describing the prerequisites for establishing a healthy lifestyle, the implemented program pays special attention to the responsibility of each person, and especially the younger generation, for their health and the role of self-preservation behavior. The concluding section will summarize key findings and their implications. It will emphasize the importance of fostering a healthy lifestyle among students to enhance the quality of education. Additionally, the article will provide practical suggestions for educators, parents, and policymakers to promote and support healthy living habits among students. The ultimate goal is to inspire positive changes in educational environments that prioritize the well-being of students and, consequently, improve academic outcomes.

REFERENCES:

1. Xakimovna X. X. O'quvchilar jismoniy tarbiyasi tizimida qattish //barqarorlik va yetakchi tadqiqotlar onlayn ilmiy jurnali. – 2022. – C. 378-381

2. Рахимова Д. Ж. и др.Изменение состава микроэлементов у детей с хроническим расстройством питания первых двух лет жизни на фоне ОКИ //Научный аспект. –2020. –Т. –№. 1. –С. 252-258
3. Рахимова Д. Д., Шайхова Г. И. 7-17 yoshli maktab oquvchilarining jismoniy rivojlanishini baholash //журнал репродуктивного здоровья и уро-нефрологических исследований. – 2022. – Т. 3. – №. 4.
4. 4.Рахимова Д,Аскарова Н,Хакимова Х. Изменение состава микроэлементов у детей с хроническим расстройством питания первых двух лет жизни на фоне оки
5. Hakimova Xonbuvi Samarqand ,Mammadiev Navruzbek Mengdobilovich NURSING CARE IN INFECTIOUS DISEASES Volume 2, Issue 01, January 2024 ISSN (E): 2938-3765 Web of Medicine:Jornal of medicine,Practice and Nursing
6. Hakimova Khonbuvi, Sanakulova-Abdurasulova Gulchekhra Thyroid diseases The Peerian Journal Open Access | Peer Reviewed Volume 26, January, 2024 ISSN (E): 2788-0303 Website: www.peerianjournal.com Email: editor@peerianjournal.com
7. Hakimova Xonbuvi,Yunusov Sardor Ashrafzoda Indicator functions in medicine GALAXY INTERNATIONAL INTERDISCIPLINARY RESEARCH JOURNAL (GIIRJ) ISSN (E): 2347-6915 Vol. 12, Issue 01, January (2024)
8. Hakimova Xonbuvi ,Xudoynazarova Nargiz Yeshkobilovna DISPUTES IN THE PROFESSIONAL ACTIVITY OF A MEDICAL WORKER Volume 2, Issue 01, January 2024 ISSN (E): 2938-3765 Web of Medicine:Jornal of medicine,Practice and Nursing
9. Jurakulovna R. D., Utamuradova N. A. RISK FACTORS AFFECTING THE MENTAL HEALTH OF FREQUENTLY ILLNESSES PRESCHOOL CHILDREN //Western European Journal of Linguistics and Education. – 2024. – Т. 2. – №. 2. – С. 29-33.
10. Jurakulovna R. D. Analysis of distribution of vitamins, macro and micro elements deficiency among children and adolescents in samarkand region, according to clinical symptoms //Eurasian Research Bulletin. – 2023. – Т. 17. – С. 229-235.
11. Jurakulovna R. D. et al. Effectiveness Of Streptokinase And Propofol Drugs In Patients With Coronavirus Delta Straw (Examples From Practice) //European Scholar Journal. – 2021. – Т. 2. – №. 9. – С. 21-25.
12. Islamovna S. G., Jurakulovna R. D., Gulistan K. Current state of the problem of rationalization of schoolchildren's nutrition. – 2022.
13. Mansurova Malika Khasanovna, Ashurov Otabek Shavkat ugli, Abdukodirova Lola Kabulovna, Khakimova Khonbuvi Khakimovna, Mamatkulova Maxbuba Tojialievna 703-708 Epidemiological status of leptoperosis and its prevalence (literature review) International Journal of Health Sciences ISSN 2550-6978 E-ISSN 2550-696X © 2022. Manuscript submitted: 18 Mart 2022, Manuscript revised: 09 April 2022, Accepted for publication: 27 May 2022
14. Nurmatovich F. P., Jurakulovna R. D. The importance of the international hassp system in the production of quality and safe confectionery products //ACADEMICIA: An International Multidisciplinary Research Journal. – 2021. – Т. 11. – №. 10. – С. 1184-1186.
15. qizi Zulfiqorova M. Y. et al. HOMILADORLARDA VITAMIN D TANQISLIGI, OQIBATLARI, OLDINI OLIISH YO ‘LLARI //Educational Research in Universal Sciences. – 2024. – Т. 3. – №. 3. – С. 46-49.
16. Rakhimova D. Z. CHARACTERISTICS OF FOOD PRODUCTS PROHIBITED FOR USE IN SCHOOLAS //European Journal of Modern Medicine and Practice. – 2024. – Т. 4. – №. 11. – С. 190-198.

17. Raximova D. J., Naimova Z. S., Halimova S. A. 7 YOSHDAN 14 YOSHGACHA BO 'LGAN BOLALARDA OZIQLANISH MUAMMOLARI VA ULARNI OLDINI OLISHDA VITAMIN VA MINERALLARNING O 'RNI //Oriental renaissance: Innovative, educational, natural and social sciences. – 2022. – T. 2. – №. 4. – C. 380-385.
18. Salokhiddinovich S. S. et al. THE INCIDENCE OF CARDIOVASCULAR COMPLICATIONS IN DIFFUSE TOXIC GOITER //Galaxy International Interdisciplinary Research Journal. – 2024. – T. 12. – №. 3. – C. 4-8.
19. The Role of a Healthy Lifestyle in Ensuring Health of Society Hakimova X. X. Senior lecturer of the Department of Public Health and Health Care Management, SamDTU Meliyev Shokhzodbek Bakhodir ogli
20. THE ROLE OF MODERN PEDAGOGICAL TECHNOLOGIES IN THE TEACHING OF THE SCIENCE OF THE BASICS OF NURSING Hakimova Xonbuvi <https://scholar.google.com/citations?user=xnOJnwoAAAAJ> &hl=ru Volume 2, Issue 2, February 2024 ISSN (E): 2938-3765
21. YUQUMLI KASALLIKLAR VA ULARNING OLDINI OLISH. Hakimova Xonbuvi https://hemis.sammu.uz/science/publication-scientifical-edit?id=1370532-сын_2-K plam_Феврал-2024
22. Hygienic Assessment Of Emission Influence From A Chemical Plant On Population's Household Conditions, WellBeing And Health. 2022/1/22.The American Journal of Medical Sciences and Pharmaceutical Research
23. Hygienic Assessment Of Emission Influence From A Chemical Plant On Population's Household Conditions, WellBeing And Health Zokir Bulyaev Zainab Naimova S,, Khurliman Kurbanova , Honbuvi Khakimova 2022/1/22.The American Journal of Medical Sciences and Pharmaceutical Research
24. Creative activity of Raikan Berunii and social outlook Khakimova X.X Turaqulov Jamshid .2022/12/16
25. Hygienic Assessment Of Emission Influence From A Chemical Plant On Population's Household Conditions, WellBeing And Health.Zokir Bulyaev Zainab Naimova S,, Khurliman Kurbanova , Honbuvi Khakimova.2022/1/22
26. Использование медицинских информационных систем в сфере управления медицинским учреждением ХХ Хакимова, ВЮ Холмонов, РС Баротова - ПЕДАГОГИ, 2024
27. Public health reforms in the republic of Uzbekistan Kurbonov Xurshid Raxmatullaevich Xakimova Xonbuvi Xakimovna, Kushmatova Dildora Ergashovna, Naimova Zaynab Sattarovna, Kurbonov Anvar Alamovich
28. Creative activity of Raikan Berunii and social outlook Khakimova X.X Turaqulov Jamshid .2022/12/16 Abu Rayhon Beruniy ilmiy-madaniy merosiniyg ahamiyati va uning fan taraqqiyotidagi o'rni Respublika ilmiy-amaliy konferensiyasi 16- dekabr 2022 yil
29. Comprehensive analysis of the problem of professional maladaptation quality and health status of nursing.Ruzimurotova Yulduz Shomurotovna.2022-02-08 Vol. 1 (2022): Zamonaviy ta'lim: muammo va yechimlari
30. Zhurakulovna R. D. et al. Green Economy And Its Role In Preventing Air Pollution In Major Cities //Pedagogical Cluster-Journal of Pedagogical Developments. – 2024. – T. 2. – №. 2. – C. 478-484.
31. Zhurakulovna R. D. Abdurakhmanovna UN Current State of the Problem of Rationalization of Schoolchildren's Nutrition //Eurasian Medical Research Periodical. – 2023. – T. 19. – C. 81-89.

32. Zhurakulovna R. D. Assessment of the actual nutrition of children and adolescents taking into account regional peculiarities //E Conference Zone. – 2022. – C. 41-44.
33. Zhurakulovna R. D. NUTRITION OF CHILDREN AS A FACTOR DETERMINING THE HEALTH OF FUTURE GENERATIONS //Conferencea. – 2022. – C. 41-42.
34. Zhurakulovna R. D., Shomuratovna B. R., Narmuminovna G. G. HYGIENIC RECOMMENDATIONS FOR THE PREVENTION OF SCHOOL MYOPIA AND OTHER VISUAL IMPAIRMENTS IN CHILDREN OF PRIMARY SCHOOL AGE //American Journal of Interdisciplinary Research and Development. – 2022. – T. 6. – C. 29-38.
35. Zokir Bulyaev Zainab Naimova S., Khurliman Kurbanova , Honbuvi Khakimova, Hygienic Assessment Of Emission Influence From A Chemical Plant On Population's Household Conditions, WellBeing And Health 12.