European Journal of Emerging Technology and Discoveries
ISSN (E): 2938-3617
Volume 1, Issue 8, November, 2023.

ANALYSIS OF THE EFFECT OF INTOXICATION FROM ALCOHOL, DRUGS AND PSYCHOTROPIC SUBSTANCES ON DRIVING A MOTOR VEHICLE

Maqsudali Madrakhimov
Assistant, Fergana Polytechnic Institute, Fergana, Uzbekistan
E-mail: maqsudali.madraximov@ferpi.uz

Abstract
Analyzes the negative consequences of drunk driving, psychophysiological conditions of drunk driving and the impact of traffic accidents on drunk driving. This study delves into the multifaceted repercussions of intoxication from alcohol, drugs, and psychotropic substances on the operation of motor vehicles. Through an extensive examination, it scrutinizes the various dimensions of impairment caused by these substances, encompassing cognitive, physiological, and behavioural aspects. The analysis includes an in-depth exploration of the risks posed to road safety, considering the influence of different substances on driving abilities. Additionally, the study investigates prevalent patterns of impairment, highlights existing regulations and interventions, and proposes potential strategies aimed at mitigating the dangers associated with driving under the influence. By amalgamating empirical evidence and existing literature, this comprehensive analysis aims to provide insights crucial for policymakers, law enforcement, healthcare professionals, and the general public in fostering safer road environments.

Keywords: traffic rules, drunkenness, transport, car, alcohol, passenger, psychotropic substances, driver, drugs, sobriety..

Introduction

Drunkenness is a special state of the human nervous system, which manifests itself as a result of the influence of alcohol or drugs. In this case, driving the car becomes difficult and even impossible. A person can lose control of the role, lose focus, lose connection with real life and time, and in many cases ignore roads and obstacles, not take into account the dimensions of his car, can easily exceed the permitted speed or go into the opposite direction of traffic [1-4].
Drunk driving endangers not only the driver and his passengers but also other road users. In the eyes of an intoxicated driver, the distance to the approaching obstacle (tree, pedestrian, car, etc.) seems to be about 30-35 meters, but in fact, this distance is 15-18 meters [5-9]. He thinks that he is reacting to the situation on the road immediately, in fact - he reacts with a considerable delay (although in complex situations even a fraction of a second can play an important role). The driver's inattentive state is not only dangerous due to poor reaction, inability to assess the situation adequately, and slow thinking [10-15]. By and large, this condition is typical of people who are awake but tired (or just exhausted). However, a tired or unhealthy person (for example, accidentally caught a cold) can understand that his options are limited, so it is necessary to either stop moving temporarily (for a short sleep or rest) or with extreme caution You have to continue. A drunk person does not have such a sense of responsibility, and besides, he is not afraid of anything, which is the reason for many serious accidents [16-21].

Taking even a small amount of alcohol causes disturbances in various systems of the body. A unique euphoria, relaxation and a non-critical assessment of the situation appear. For an ordinary pedestrian, mild intoxication is not as life-threatening as it is for a driver of a vehicle. The speed of movement of the car and its weight can have a negative impact on the physical health of the people around them and their lives. The probability of a driver hitting pedestrians even in a state of mild alcohol intoxication increases 10 times, the accident statistics increase with the participation of other cars [20-27]. Alcohol intoxication occurs after a person has consumed any amount of alcohol (including 1-2 sips of wine). Drunkenness is the body's reaction to alcohol contained in alcoholic beverages (vodka, wine, port wine, beer) [28-32].

After entering the stomach, alcohol is absorbed into the blood and absorbed into various human tissues and organs causing certain reactions in them. Ethyl alcohol reaches the highest concentration in the brain tissue, where the central part of the cerebral cortex, which responds to the physiological characteristics of a person, is damaged, not the peripheral sections. The effects of alcohol on the brain and nervous system are important to the driver, who is responsible for emergency assessment. Fast movement in a car requires a person to react quickly to all changes on the road, which is impossible even in the case of light intoxication [33-39].

Any amount of ethyl poison kills the cerebral cortex in different massage tabs. Such a physiological reaction is explained by the disruption of blood supply to neurons. While a small amount of alcohol causes the death of a small number of brain cells, an increase in the amount expands the area of neuronal death in which brain control is completely or partially extinguished [38-42].

Symptoms of intoxication include lethargy, uncontrollable behaviour, unsteady gait, and slurred speech.

The analytical function of the brain weakens, information is not fully received, conclusions are drawn disconnected from existing knowledge and limited. All conditions and situations on the road are evaluated with difficulty and slowness. The driver is not allowed to drive the vehicle in this condition.

Use of drugs

Drug intoxication is a condition that occurs as a result of taking a non-therapeutic amount of drugs. When taking sleeping pills, tranquilizers, and cannabis, the appearance of the patient reminds one of alcohol intoxication to one degree or another (of course, without the smell of alcohol). It is possible to hide the first stage of intoxication, but it is impossible to hide the middle and upper stages [43-47].

As a result of being drunk under the influence of drugs, the level of workability decreases, the human will weakens, memory weakens, and conditions such as slowing down of attention, sleep disorders, and frightening dreams begin to appear. A person is always accompanied by a bad mood, anxiety and dizziness. This drunkenness leads to vices such as doubts, fear, and restlessness, and they lead to a clear state of mind.

Psychotropic substances

Psychotropic substances affect the human mind, causing a decrease in reaction speed, drowsiness, decreased concentration, etc. Neuroleptics, antidepressants, tranquillizers, lithium

drugs. Many sedatives and sleep-inducing drugs, even if they are taken in the evening, cannot predict how they will affect you in the morning. Unpleasant conditions usually pass within 1-2 days. Even after using an eye treatment containing atropine, it is impossible to drive for at least 2-3 days. In addition to traditional psychotropic substances, antihypertensives also affect slow thinking. Almost all antihistamines (anti-allergy medications) anti-motion sickness medications, and some cold medications, will have sleep-inducing additives. It is better not to take them before the direct path. Also, you should not take headache medications before and during the trip. Due to them, a decrease in the reaction can be observed.

References

1. Ogli, I. A. A., & Maribjonovich, M. M. (2023). Test research method of determining the basic norm of fuel consumption of cars. International Journal of Advance Scientific Research, 3(06), 362-367.
2. Azizov Q.X. Harakat xavfsizligini tashkil etish asoslari. –T.,«Fan va texnologiya», 2009
3. Z.M. Xametov, S.U. Xujamqulov, A.S. Xusanjonov, Q.X. Masodiqov Avtomobillar konstruksiyasi.”FARPI ALPHA”nashrioti, 2022.
4. O‘zbekiston Respublikasi Vazirlar Mahkamasining 2012 yil 4 iyuldagi 191-son qarori bilan tasdiqlangan «Avtotransport vositalari konstruksiyasining foydalanish shartlari bo‘yicha xavfsizligi to‘g‘risida»gi umumiy texnik reglament.
5. O‘zbekiston Respublikasi Vazirlar Mahkamasining 2003 yil 4 noyabrdagi 482-son qarori bilan tasdiqlangan “O‘zbekiston Respublikasida avtobuslarda yo‘lovchilar tashish xavfsizligini ta’minlashga doir talablar”.
6. O‘zbekiston Respublikasi Vazirlar Mahkamasining 2022 yil 12 apreldagi 172-son qarori bilan tasdiqlangan “Yo‘l harakati qoidalari”.
7. Yo‘l harakati to‘g‘risidagi konvensiya, Vena, 1968-yil 8-noyabr (O‘zbekiston Respublikasi uchun 1995-yil 17-yanvarda kuchga kirgan).
8. ”Avtotransport vositalari haydovchilarini malakasini oshirish” texnologik xaritalar to’plami 2018 y “AVTOTEST”
9. Khujamqulov, S. (2023). Measures to protect the environment from the harmful effects of motor transport. European Journal of Emerging Technology and Discoveries, 1(4), 8-13.
10. Fayzullayev, X., & Mirtemirov, . A. . (2023). Avtomobil dvigatelining moylash tizimiga texnik xizmat ko’rsatish va ta’mirlash ishlari texnologiyasi. Zamonaviy Dunyoda Innovatsion Tadqiqotlar: Nazariya Va Amaliyot, 2(6), 31–35.
11. Fayzullayev Xaydarali, Ne'matov Ibrohimjon Alijon o'g'li. (2023). Avtomobillarga texnik xizmat ko'rsatish sohasida avtoservisni rivojlantirish tajribasi va istiqbollari. «zamonaviy Dunyoda Ilm-fan Va Texnologiya» Nomli Ilmiy-amaliy Konferensiya, 2(4), 62–65.
12. Ikromov, I. A., Abduraximov, A. A., &Fayzullayev, H. (2021). Experience and Prospects for the Development of Car Service in the Field of Car Maintenance. ISJ Theoretical & Applied Science, 11(103), 344-346.
13. Qobulov, M., Ismadiyorov, A., & Fayzullayev, X. (2022). Analysis of the braking properties of the man cla 16.220 for severe operating conditions. European International Journal of Multidisciplinary Research and Management Studies, 2(03), 52-59.

14. Bazarov Bakhtiyor Imamovich, Akhmatjanov Ravshanjon Nematjonovich, Fayzullayev Khaydarali, Odilov Odiljon Zokirjonovich, Otabayev Nodirjon Ibragimovich. Performance Indicators of a Passenger Car with a Spark Ignition Engine Functioning With Different Engine Fuels. Annals of the Romanian Society for Cell Biology. 2021/4/17
15. Sahtarov, X. A. O., & Fayzullayev, X. (2022). Alternativ yoqilg‘ilarda ishlaydigan avtomobil konstruksiyalari tahlili. Academic research in educational sciences, 3(4), 1080-1087.
16. Ikromov, I. A., Abduraximov, A. A., & Fayzullayev, H. (2021). Experience and prospects for the development of car service in the field of car maintenance. ISJ Theoretical & Applied Science, 11(103), 344-346.
17. Maxammadjon Qobulov, Asrorjon Ismadiyorov, Xaydarali Fayzullayev.Analysis of the braking properties of the man cla 16.220 for severe operating conditions. European International Journal of Multidisciplinary Research and Management Studies. 2022/3/31
18. Xaydarali Fayzullayev, Ibrohimjon Ne'matov. Avtomobillarga texnik xizmat ko'rsatish sohasida avtoservisni rivojlantirish tajribasi va istiqbollari. Наука и технология в современном мире. 2023/1/30.
19. С.М.Ходжаев, М.С.Низомиддинова, Ч.О.Камбарова, & Н.С.Ходжаева (2022). Организация станции технического обслуживания при Ферганском политехническом институте. Science and Education, 3 (10), 265-274.
20. Xaydarali Fayzullayev. Vehicle Motion Model with Wheel Lock. Eurasian Journal of Engineering and Technology.2022/9/14
21. Xolahmad Abduholiq O‘g‘li Sahtarov, Xaydarali Fayzullayev. Academic research in educational sciences. 2022.
22. Maxammadjon Alijon O‘G‘Li Qobulov, Asrorjon Anvarjon O‘G‘Li Ismadiyorov, Xaydarali Fayzullayev. Academic research in educational sciences. 2022.
23. Fayzullaev Xaydarali. Analysis of the chemical composition of car tire rubber International Journal of Advance Scientific Research. 2022/12/24.
24. Xaydarali Fayzullayev, Azamat Mirtemirov. Avtomobil dvigatelining moylash tizimiga texnik xizmat ko'rsatish va ta'mirlash ishlari texnologiyasi. Инновационные исследования в современном мире: теория и практика. 2023/2/9
25. Обидов, Н. Г. (2019). Фрезерные дорожные машины в условиях эксплуатации в жарком климате узбекистана. In Подъемно-транспортные, строительные, дорожные, путевые машины и робототехнические комплексы (pp. 377-379).
26. Gayrat, B., Bekhzod, U., & Nuriddin, O. (2022). Determination of angles of sliding and rolling of potato tubers on surfaces consisting of different materials. Universum: технические науки, (4-12 (97)), 24-26.
27. Бахадиров FA, У. Б. (2021). Обидов HF Картошка туганакларини саралаш учун янгича конструкциядаги барабанли саралаш машинаси. Научно-технический журнал ФерПИ. Фергана, (1).
28. Xujamqulov, S. U. O. G. L., & Masodiqov, Q. X. O. G. L. (2022). Avtotransport vositalarining ekspluatatsion xususiyatlarini kuzatish bo'yicha vazifalarni shakllantirish. Academic research in educational sciences, 3(4), 503-508.

29. Umidjon o‘g‘li, K. S., Khusanboy o‘g‘li, M. Q., & Mukhammedovich, K. S. (2022). The formation of tasks for overview of operating properties of vehicles. American Journal Of Applied Science And Technology, 2(05), 71-76.
30. Таджиходжаева, М. Р., & Обидов, Н. Г. Конструктивные системы в природе и дорожных машинах. Рецензенты: генеральный директор РУП «Гомельавтодор» СН Лазбекин, 124.
31. Xujamkulov, S., Abdubannopov, A., & Botirov, B. (2021). Zamonaviy avtomobillarda qo’llaniladigan acceleration slip regulation tizimi tahlili. Scientific progress, 2(1), 1467-1472.
32. Xujamqulov, S. U., Masodiqov, Q. X., & Abdunazarov, R. X. (2022, March). Prospects for the development of the automotive industry in uzbekistan. In E Conference Zone (pp. 98-100).
33. Meliboyev, A., Khujamqulov, S., & Masodiqov, J. (2021). Univer calculation-experimental method of researching the indicators of its toxicity in its management by changing the working capacity of the engine using the characteristics. Экономика и социум, (4-1), 207-210.
34. Fayziev, P. R., Tursunov, D. M., Khujamkulov, S., Ismandiyarov, A., & Abdubannopov, A. (2022). Overview of solar dryers for drying lumber and wood. American Journal Of Applied Science And Technology, 2(04), 47-57.
35. Khujamqulov, S. (2022). A method of conducting experiments on the production of car tires and the disposal of obsolete car tires. Science and innovation, 1(A3), 61-68.
36. Fayziev, P. R., Tursunov, D. M., Khujamkulov, S., Ismandiyarov, A., & Abdubannopov, A. (2022). Overview of solar dryers for drying lumber and wood. American Journal Of Applied Science And Technology, 2(04), 47-57.
37. Masodiqov, Q. X. O. G. L., Xujamqulov, S., & Masodiqov, J. X. O. G. L. (2022). Avtomobil shinalarini ishlab chiqarish va eskirgan avtomobil shinalarini utilizatsiya qilish bo'yicha eksperiment o'tkazish usuli. Academic research in educational sciences, 3(4), 254-259.
38. Khujamkulov, S. U., & Khusanjonov, A. S. (2022). Transmission system of parallel lathe machine tools. ACADEMICIA: An International Multidisciplinary Research Journal, 12(2), 142-145.
39. Maxmudov, N. A., Ochilov, T. Y., Kamolov, O. Y., Ashurxodjaev, B. X., Abdug'aniev, S. A., & Xodjayev, S. M. (2021). TiN/Cr/Al2O3 and TiN/Al2O3 hybrid coatings structure features and properties resulting from combined treatment. Экономика и социум, (3-1), 176-181.
40. Xodjayev, S., Xusanjonov, A., & Botirov, B. (2021). Transport Vositalari Dvigatellarida Dimetilefir Yoqilg’isidan Foydalanish. Scientific progress, 2(1), 1531-1535.
41. Xodjayev, S., Xusanjonov, A., & Botirov, B. (2021). Gibrid dvigatelli avtomobillardan foydalanib ichki yonuv dvigatellari ishlab chiqargan quvvat samaradorligini oshirish va atrof-muhitga chiqarilayotgan zararli gazlarni kamaytirish. Scientific progress, 2(1), 1523-1530.
42. Qobulov, M., Jaloldinov, G., & Masodiqov, Q. (2021). Existing systems of exploitation of motor vehicles. Экономика и социум, (4-1), 303-308.

43. Khodjaev, S. M., & Rakhmonova, S. S. (2022). Saving resources in the operation, maintenance of automotive equipment. American Journal of Interdisciplinary Research and Development, 5, 18-27
44. Otabayev, N. I., & Xodjayev, S. M. Measurement of tires pressure and load weight on the.
45. Abduraxmonov, A. G., Xodjayev, S. M., Otaboyev, N. I., & Abduraximov, A. A. (2022). Formation of products from powdered polymers by rotational and blowing method. European International Journal of Multidisciplinary Research and Management Studies, 2(03), 41-51.
46. Qobulov, M. A. O. G. L., Ismadiyorov, A. A. O. G. L., & Fayzullayev, X. (2022). Yengil avtomobillarga siqilgan gazga moslashtirish jarayonida yuzga keladigan kamchiliklarni bartaraf etish. Academic research in educational sciences, 3(4), 471-477.
47. Qobulov, M., Ismadiyorov, A., & Fayzullayev, X. (2022). Overcoming the Shortcomings Arising in the Process of Adapting Cars to the Compressed Gas. Eurasian Research Bulletin, 6, 109-113.