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Effects of alcohol tobacco and smoking on sports performance and physical fitness

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Abstract

Alcohol is not a stimulant as is generally considered. It is depressant. There are social evil almost in every society of the world alcohol is one of them. Through people know the health hazards, yet they do not think or care for their own health in life abuse of alcohol and drugs cause severe damage to the human body because these produce harmful effects on the health of people directly or indirectly. Alcohol abuse interferes with work or disturbs social or family relationship. On the other hand drugs are known for their actions and side effects. These are organic and inorganic materials. Overuse of smoking alcohol and tobacco is harmful for sports performance so, we can surely say that Alcohol and tobacco and smoking effects a lot on performance and we can't achieve our goals while using them in our life.

Keywords: Alcohol, Sports performance, Physical fitness.

1. Introduction

India is one of the largest tobacco producing countries in the world. Almost all kind of tobacco are produce here. It used by young, old and also used by athlete. Considering the growing concern about the health of the people and harmful effects of tobacco on health, several actions have been taken by the government of India and various state Governments to discourage the use of tobacco and reduce the hazards of passive smoking. Today even sports men also smoke they don't realize the disadvantage of it. Alcohol reduces body's functional activity, makes people less efficient and mental processes become dulled, when people drink it. It affects vision also. When take in small amounts, it acts as a seductive and calms nervousness or excitements. It is for this reason people claim that alcohol is relaxing. In some cases it may even have beneficial effects of health. When it is taken in large amount, it is hypotic, because it puts the drinker to sleep. Since it also combats pain some people consider it analgesic or pain killer. When it is taken in excessive amounts, it acts as an intoxicant or poison and has a harmful effects on the body and its functions. Alcohol abuse is at least as prevalent in the athletic community as it is in the general population; in fact, the majority of athletes have begun drinking by the end of high school. Both male and female college students have higher rates of binge drinking than non-athletes, and drinking five or more drinks on any one occasion affects the brain and body for several days. When we discuss uses of alcohol in medicine, we can briefly say that alcohol is a disinfectant, which kills bacteria when used in strong concentration, on the outside of the body. How alcohol affects a person depends on the amount consumed, the environmental context, and individual differences in capacity. While a small amount of alcohol consumed daily may have a protective effect on the cardiovascular system, chronic heavy alcohol use is associated with a wide range of physically negative outcomes, which account for approximately 100,000 deaths yearly in the United States. It is also used as a germ-killer in preparation of germicides. The alcohol should, therefore, not consume liquor and should always stay away from alcohol drinks. It detected under the influence of intoxication, It brings bad name to the athlete himself, his family, his coach his team his association or club and the country. People hate them. It further leads to disqualification and he is also debarred. The career, thus, is ruined. Sports controlling bodies have, therefore, banned use of alcoholic drinks. It is the moral duty of every sports person to stay away from intoxication. All the drugs chemical substances having potential to after the structure, function of the body, mood and behaviour. It is misused when it is not taken for the intended purpose and abuse when it is used in excess. Drug abuse creates problems of personal and social career and educational developments. In some cases it leads to damage certain body parts and in some cases there is a risk of death.

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The athlete take drugs (doping) for the sake of temporary enhancement of performance, power to win the game and medals to brings game at national and international levels. Sports competitions are becoming highly professional. Through the drugs are banned yet doping cases are coming to light and athlete are found guilty in certain sports competitions. The sportsmen should, therefore, stay away from drugs as its misuse and abuse, when detected, damage the prestige of a country at national and international levels, and not only this, the sportsman is debarred for fututre competitions. While alcohol use to celebrate sport has long been an Australian tradition, there is increasing evidence to show what a poor partnership it really is. Good Sports identifies that alcohol can affect your sport and exercise performance in directly and indirectly way.

Objective of the study

To find out the effect of Alcohol, Tobacco and Smoking on sports performance.

Effects of alcohol on sports performance

Alcohol has been described as a performance impairing drug. Exercise is a complex activity utilizing many of the body's organ systems; alcohol exerts an effect on most of these systems, including the central nervous system, muscle energy stores and the cardiovascular system.

Alcohol and motor skills

Alcohol decreased hand tremors slowed reaction time decreased hand-eye coordination further slowed reaction time and reduces body's functional activity and playing efficiently, balance and judgement. Decreased hand-eye coordination. Decreased accuracy and balance. increase the risk of dehydration and impaired tracking, visual search, recognition and response skills Weakness brain and its nerves, both the extention and contraction of muscles decreases and muscles do not exert maximum force.

3.2 Alcohol and strength, power, and short-term performances

Alcohol decrease in overall performance levels lowed running and cycling times weakening of the pumping force of the heart impaired temperature regulation during exercise decreased grip strength, decreased jump height, and decreased 200- and 400-meter run performance faster fatigue during high wasters energy, strength, power, speed, endurance and causes early tiredness and fatigue leading to poor performance in play.

3.3 Alcohol and Aerobic performance

Alcohol causes dehydration and significantly reduced aerobic performance impaired 800- and 1500-meter run times increased health risks during prolonged exercise in hot environments

3.4 Medical Concerns

Alcohol has been linked to exercise-induced anaphylaxis and asthma. Acute ingestion may cause myocardial irritability, resulting in arrhythmias. Consumption before water activities increases the risk of injury. Harmful to the body systems, reduces ability to regulate body temperature, obstructs neuro-muscular co-ordination.

How alcohol affects your physical fitness

Speed

Alcohol affects you even after you've finished drinking. Alcohol affects the central nervous system and slows down the information processing ability of the brain. This in turn slows down your reaction time, hand-eye-coordination, accuracy and balance. Even a small number of drinks can affect performance.

Energy and stamina

The blood sugar that your body needs for energy is produced by your liver when it releases glucose into the blood stream. Alcohol keeps the liver too busy to produce the required sugar levels to sustain an athlete's energy and stamina to perform at their peak.

Cramps

While exercising, your muscles burn up glucose, producing lactic acid as a waste product. Too much lactic acid leads to muscle fatigue and cramps. Alcohol that remains in your system contributes to greater build-up of lactic acid, increasing the risk of cramping dramatically.

Dehydration

The 'drys' is a term often used to describe an extreme symptom of alcohol's diuretic (increased urination) effect. This extra fluid loss added to what an athlete sweats out increases the risk of dehydration significantly.

Muscle cramps

Alcohol affects the body's ability to create energy therefore it slows down reaction times, increases body heat loss and reduces endurance. After exercising, the body needs to be rehydrated. It's not helpful to drink only alcohol as it will continue to dehydrate the body further. If you sustain injury while exercising, and you have had alcohol the night before or drink any alcohol afterwards (while injured), you are likely to increase your recovery time significantly.

Testosterone

Alcohol, when consumed in amount typical with brings drinkers can dramatically decrease serum testosterone levels. Decrease in testosterone are associated with decrease in aggression less muscle mass and overall athletic performance. In female athlete this may cause an increase in the production of estradiol (a form of estrogen) which may increase the risk of breast cancer.

Fat Storage

Alcohol has seven calories per gram. Fat has nine calories per gram. Alcohol is much storage like fat in the body, also, alcohol, demainates (destroys) amino acids and stores them as fat. In the case of steorage fat powerful energy pathways (like glycolysis) are impaired and large ammount of lactic acid are produce, this results in decreased energy, decrease muscle recovery, and increase muscle soreness.

Effects of Tobacco and Smoking on sports performance

The athlete feels memory loss and fatigue. The working capacity of the circulatory and respiratory systems is reduced, and thus the athlete feels heavy work load on the systems of the body as the body tissues are deprived of oxygen.

There is always increase in heart and respiratory rate, increase blood pressure makes' the sportsman feel tired early.

The athlete has, sometime the increased symptoms of dizziness, light headache, nausea and vomiting, etc.

Conclusion

The researcher find out that sportsman should, therefore, keep himself away from smoking. If detected under the influence of tobacco smoking or chewing, it brings bad name to the athlete himself, his family, his coach, his team, his association or club, and the country. People hate them. It further leads to disqualification and is also debarred. The career, thus, is ruined.

References

1. Berning J. Coaches' Corner: Alcohol and Athletic Performance. Gatorage Sports Science Institute, 1996. www.gssiweb.com
Current Comment from the ACSM, Alcohol and Athletic Performance, 2000.
2. Dowdall G, Grossman S, Zanakis S, Davnport A, Weschler H. Binge drinking, tobacco, and illicit drug use and involvement in college athletics. Boston, MA: Harvard School of Public Health
3. Fact Sheet: Alcohol: A performance impairing drug on the [DrugInfo](http://www.druginfo.adf.org.au) website (<http://www.druginfo.adf.org.au/fact-sheets/alcohol-a-performance-impairing-drug-web-fact-sheet>).
4. Fact Sheet: Alcohol and Australian Sport by the AIS (http://www.ausport.gov.au/ais/nutrition/factsheets/basic_s/alcohol_and_australian_sport).
5. Green G, Uryasz F, Petr T, Bray C. NCAA study of substance use and abuse habits of college student-athletes. *Clinical Journal of Sport Medicine* 2001; 11: 51-56.
Gutgesell M, Canterbury R. Alcohol usage in sport and exercise. *Addiction Biology* 1999; 4:373-383.
Newsletter: Prevention of alcohol-related harm in sport on the [DrugInfo](http://www.druginfo.adf.org.au) website (<http://www.druginfo.adf.org.au/newsletters/newsletters-prevention-of-alcohol-related-harm-in-sport>).
6. O'Brien C, Lyons F. Alcohol and the athlete. *Sports Medicine* 2000; 29(5):295- 301.
7. Tags: National, Alcohol, Exercise, and Performance 90 5 + 10- See more at: <http://goodsports.com.au/resources/articles/alcohol-sport/#sthash.9u7hvKSb.dpuf>.
8. Wilson G, Pritchard M, Scchaffer J. Athletic status and drinking behavior in college students: The influence of gender and coping styles. *Journal of American College Health* 2004; 52(6):269-273.