International Journal of Sports, Health and Physical Education

ISSN Print: 2664-7559 ISSN Online: 2664-7567 IJSHPE 2023; 5(2): 21-23 www.physicaleducationjournal.in Received: 15-05-2023 Accepted: 23-06-2023

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Physical exercise and health

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DOI: https://doi.org/10.33545/26647559.2023.v5.i2a.76

Abstract

The mechanics of exercising aerobically involve the transfer of oxygen from the lungs to the blood vessels. The heart then pumps oxygen-rich blood to muscles. Oxygen is required for muscle contraction. Regular exercise increases exercise capacity and decreases myocardial oxygen demand, which benefits the heart and reduces mortality rates. Physically active individuals experience fewer maladies than inactive individuals. Physical activity decreases the risk of cardiovascular disease by lowering blood pressure, increasing glucose tolerance, reducing adiposity, and improving the lipid profile. Physical and psychological and physiological health were enhanced by exercise. Exercises can help a person gain control of their body through mental control and physical discipline. Regular exercise will maintain all of your body's parts in excellent condition, allowing you to live a long and healthy life.

Keywords: Exercising aerobically, muscle contraction, physical activity

Introduction

The mechanics of aerobic exercise requires oxygen to be brought in by the lungs and transferred to the blood vessels. Oxygen rich blood is then pumped by the heart to muscles. The muscles utilize oxygen for muscle contraction. Aerobics is generally interpreted to mean with oxygen and aerobic, "to mean without oxygen". Although both process use oxygen, Aerobic capacity is a valuable component of most fitness programmers the amount of work that can be accomplished using the oxidative system converting nutrients in to energy. It is evident that aerobic energy is the prime source of energy for any sport; the game volleyball is no exception. My intention is to find out this effect of aerobic exercise on playing volleyball. Do you want to know the secret to maintaining good health and happiness? It is a simple technique that only requires you to engage in regular physical exercise and adhere to a balanced diet. Aerobics is one of the best strategies to guarantee fitness. The term "aerobics" refers to any prolonged activity of low, moderate, or high intensity that uses the large muscular groups in the body, such as the arms, legs, back, and so on. Walking, swimming, cycling, dancing, treadmill exercises, and rowing machines are a few of them. Such exercises can last anything from 20 minutes to an hour. No of your age, you can participate in aerobic activities. However, your stamina and age will determine the workouts' intensity and length. Aerobics has a lot of health advantages in addition to maintaining physical fitness.

Regular exercise increases exercise capacity and reduces myocardial oxygen demand, which has positive effects on the heart and lowers death rates. People who are physically active experience fewer illnesses than those who are less active. Through reducing blood pressure, increased glucose tolerance, decreased obesity, and an improved lipid profile, physical activity lowers the risk of cardiovascular disease.

Exercises, commonly referred to as cardio, are low- to high-intensity physical activities that rely primarily on the aerobic energy-generating mechanism. In general, light-to-moderate intensity activities that are sufficiently supported by aerobic metabolism can be performed for long periods of time. The word "aerobic" literally means "relating to, involving, or requiring free oxygen," and it refers to the use of oxygen to adequately meet energy demands during exercise via this metabolism.

Benefits

- Increase efficiency of heart and lungs.
- Reduce cholesterol level.
 - Increase muscle strength.

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- Reduce Blood pressure
- Reduce risk of major illness such as diabetes and heart diseases
- Weight loss.
- More energy
- Less stress
- Improved qualities of sleep
- Improved ability to cope with stress.
- Increased mental sharpness.
- Increase HDL cholesterol (the good cholesterol)
- Decreased blood triglycerides
- Diabetes, heart diseases and obesity.
- Weight loss
- Toned muscle
- Improved posture
- Improved self-image
- Increased opportunities to make new friends
- Increased opportunities to share an activity with friends and family member.
- Increased systems functioning capacity.
- Increased resistance power.

Mental wellness

You may not be conscious of this, but aerobic exercise has a significant positive impact on your psychological well-being. A sizable portion of people experience conditions including anxiety, despair, and even low self-confidence. It was previously believed that all either these problems could only be resolved with the use of medication or psychiatric assistance, but this seems to no longer be the case. In fact, regular exercise can be an extremely effective aid in the fight against anxiety and depression. According to studies, the "runner's peak" phenomena may have something associated with this. The sense of joy and euphoria that runners experience after engaging in intense exercise is known as the "runner's high." It has been demonstrated that cardiovascular activity triggers the nervous system to release dopaminerelated molecules. Feel-happy molecules include dopamine and a few additional brain chemicals. Controlling Weight

Exercises is one of the most effective ways of controlling your weight. In fact, it may be the very best way to lose weight. Daily aerobic exercise at a slightly increased heart rate or energy exertion level, for a period of 30 to 60 minutes per day, will burn a significant number of calories. Combined with a good diet this can go a very long way in helping you lose weight, weight that can be the cause of various health issues. If you are overweight and are tired of looking the way you look and feeling the way you do, aerobic exercise is definitely a great option to go with.

High blood pressure

The most common cause of high blood pressure is a feeble heart. Compared to a stronger heart, a weaker heart must pump and work much harder to deliver the same quantity of blood throughout the body. This places an excessive amount of burden on your artery walls, resulting in high blood pressure. The less effort your heart must exert to circulate blood, the lower your blood pressure. Aerobic exercise will strengthen your heart over time. The heart is, after all, a muscle; therefore, aerobic exercises will strengthen this muscle.

Illness

Exercises offers a multitude of advantages for reducing the risk of developing a variety of health conditions. As previously mentioned, high blood pressure can cause heart attacks, strokes, and other cardiac problems, but that's not all. Being overweight can result in diabetes, respiratory diseases, and joint problems. Consequently, losing weight is an excellent method to combat these issues at a young age. As you may be aware, aerobic exercise is one of the most effective ways to lose weight.

O₂ Efficiently

Exercise can improve your oxygen consumption. Daily aerobic exercise will help your body increase its oxygen utilization efficacy, thereby reducing the workload of your heart and lungs. Being more oxygen-efficient means that your heart and lungs do not need to work as hard to take in oxygen, convert it, and deliver it to the body. In addition, regular aerobic exercise will help you attain your optimal heart rate during exercise.

Metabolism

Metabolism will increase with exercise. Your body's rate of calorie digestion is determined by your metabolic rate. These calories may be derived from protein, fat, or sugar. You may already be aware that squandered calories will lead to weight increase in places you'd prefer not. Along with burning calories, aerobic exercise strengthens your body's metabolic process. You will gain less weight and lose more weight as your body burns calories more quickly, which will ultimately help you maintain a healthy weight.

Cholesterol

Exercises is an improvement in your cholesterol levels. Of course, the human body contains 2 different types of cholesterol. One of these types is known as LDL, which is the bad cholesterol. The other type is known as HDL, which is the good kind of cholesterol. Good cholesterol helps your heart function better and it helps to keep your arteries clean. On the other hand, bad cholesterol will clog up your arteries and can cause major conditions such as heart attacks and strokes. Regular aerobic exercise is proven to be an effective way of managing cholesterol levels and thus increasing your overall health.

Diabetes

Exercise is excellent for combating the effects of diabetes. Regular exercise keeps you mobile and improves your body's ability to metabolise sugars, reducing your need for insulin and other diabetes medications.

Conclusion

Exercises improved physical and psychological and physiological and Healthy. Exercises is able to help a person have control over their body through control of their mind and Regular exercises will keep all the parts of your body in prime condition and will allow you to live a long and healthy life. The data for the numerous health advantages of exercise is still mounting. Professionals in the fields of physical education and fitness should encourage patients to exercise as part of their routine fitness practice, and the communities of physical education and fitness should ensure that this is done on the ground.

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