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Aerobic exercise for enhancing physical fitness and healthy life being

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Abstract

Aerobic alludes to practice that includes or enhances oxygen utilization by the body. High-impact revenue & quot; with oxygen & quot;, & amp; alludes to the utilization of O₂ in the body's energy generating or metabolic progression. Numerous sorts of activity are oxygen consuming, and by explanation are done at restrained level of power for developed timeframes. This force can shift from 50-80% of most extreme heart rate. For example, cycling, strolling, running, climbing, and playing tennis, concentrate on expanding cardiovascular perseverance. Physical fitness is a standout amongst the most vital variables that decide the execution level of a person. Sports execution depends generally on physical wellness components, for example, quality, speed, perseverance, adaptability, and different capacities requiring co – appointment. Sports action is a physical movement which is unrealistic without these engine capacities. Hence, it is necessary to find a remedy for these crises and to motivate people towards participation in physical activities by identifying the physical activities that are most feasible in terms of easy adaptability, consumption of minimum time, freedom from injury and an activity for both body and mind.

Keywords: exercise, aerobic exercise and physical fitness

Introduction

Exercise

According to University of Houston described that the exercise comprises of activities that are arranged and organized, and that keeps up or enhances one or a greater amount of the parts of physical fitness. Physical action recommends a wide assortment of exercises that advance wellbeing and prosperity. Activity is regularly connected with fitness, maintenance or improvement only.

Types of exercise

The European Food Information Council says that exercises are usually classified into three types depending on the total effect of the human boy:

- Aerobic exercises
- Anaerobic exercises
- Flexibility exercises

Aerobic exercise

Aerobic alludes to practice that includes or enhances oxygen utilization by the body. High-impact revenue "with oxygen", & alludes to the utilization of O₂ in the body's energy generating or metabolic progression. Numerous sorts of activity are oxygen consuming, and by explanation are done at restrained level of power for developed timeframes. This force can shift from 50-80% of most extreme heart rate. For example, cycling, strolling, running, climbing, and playing tennis, concentrate on expanding cardiovascular perseverance.

Anaerobic exercise

Anaerobic activity is the activity that constructs muscle mass and develops power. Muscles trained under anaerobic conditions grow in an differently, prompting more prominent execution in brief length of time, high power exercises, which last up to about minutes. The most widely recognized type of anaerobic activity is strength exercise. It is the utilization of

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imperviousness to strong compression to construct the quality, size of skeletal muscles and anaerobic perseverance. There are various strategies for quality preparing, the most widely recognized of resistance exercise. These two sorts of activity use gravity or machines to restrict muscle compression, and the terms can be utilized interchangeably.

Flexibility exercises

Adaptability preparing incorporates extending practices with the end goal of expanding one's Scope of movement. Before adaptability preparing (extending), a warm up ought to be performed at a low force for 5-10 minutes. This expands the temperature of the muscles and abatements the danger of damage, for example, extending; enhance the scope of movement of muscles and joints. Aerobic and anaerobic are the most ordinarily performed.

Benefit of exercise

- Improves one's ability to do the things one wants to do.
- Assists sustain and develop the physical force and fitness.
- Prevents and Manages diseases like heart disease, diabetes, osteoporosis and breast and colon cancer.
- Helps to decrease the feelings of depression, might be improve overall well-being and mood, and can maintain some aspects of cognitive function, such as ability to shift quickly.
- Helps to develop the balance (<https://blog.cognifit.com/types-of-exercise-benefits/>).

Aerobic exercise

Aerobic exercise is a physical activity completed to enhance the way the cardiovascular system works. It means to make the system more proficient in the retention and transportation of oxygen. There are various sorts of Aerobic exercise and these activities are defeated augmented periods at a moderate intensity level. Case in point, running a long division at a moderate pace is an Aerobic activity, while sprinting is certainly not. Oxygen consuming activity incorporates incalculable structures. At the point when all is said in done, it is performed at a moderate level of power over a by and large drawn out stretch of time.

Playing tennis (singles), with close consistent movement, is for the most part considered an aerobic activity while pair's tennis or golf, with brief blasts of action punctuated by more incessant breaks, may not be transcendently vigorous. A few games are along these lines naturally "vigorous", while other aerobic exercises, for example, fartlek preparing or oxygen consuming move classes are composed particularly to enhance improve aerobic capacity and fitness. The aerobics exercise is an arrangement of non-cyclic activities, which enhances the limit of cardiovascular capacities, builds up the sturdiness of muscles and the coordination of development. A customary investment in heart stimulating exercise program, as in other continuance works out, expansions the limit of cardiovascular framework (Garrick and Requa, 1998) ^[2].

Types of aerobic training

- Aerobic Dance
- Cycling
- Rowing Machine
- Fitness Walking
- Running
- Treadmill
- Swimming

Benefits of aerobics

The heart works all the more proficiently and turns out to be more grounded

- It controls body weight.
- It lessens the danger in creating diabetes, heftiness and any coronary illness.
- There is an expansion in great cholesterol and diminishing in awful cholesterol.
- It expands endorphins.
- It expands the body's capacity to take in oxygen and makes one inhale quicker.
- It lessens and controls the muscle to fat ratio ratios.
- It enhances the body muscle quality and adaptability.
- It enhances the nature of rest that revives one right on time next morning.
- It evades perpetual maladies like coronary illness and hypertension.
- Aerobics build the resistance weakness and give more vitality.
- It enhances one's inclination and lessens sorrow, anxiety, and tension.
- It abstains from overheating.
- Aerobics pump the blood speedier and all the more strongly.
- It helps in anticipation of cardiovascular infections.
- It manufactures the strong quality and makes the body more adaptable.
- It decreases pulse.
- It keeps certain sorts of malignancy too. (www.ezinearticles.com)

Physical fitness

Physical fitness is a standout amongst the most vital variables that decide the execution level of a person. Sports execution depends generally on physical wellness components, for example, quality, speed, perseverance, adaptability, and different capacities requiring co – appointment. Sports action is a physical movement which is unrealistic without these engine capacities. Wellness elements are most critical for anticipating athletic execution. Normal capacity is the guarantee of potential however essentials are the establishment of greatness (Clarke, James R, PT LN 2002).

An arrangement of physical credits identified with a man's capacity to perform physical movement effectively, without undue strain and with an edge of wellbeing. Physical fitness is the limit of the lungs, muscles, heart and veins to work at ideal effectiveness (Bud and Getchell, 1976). In earlier era, fitness was characterized as the ability to complete the day's exercises without unnecessary weakness. Robotization, expanded relaxation time, and changes in ways of life taking after the mechanical upset implied this basis was no more adequate. Ideal productivity is the key. Physical fitness is currently characterized as the body's capacity to work proficiently and adequately in work and relaxation exercises, keep up sound, oppose hypo dynamic infections, and face crisis circumstances.

Physical fitness is the ability to do, sensibly well, different types of physical exercises, without being unduly drained and incorporates quality which is critical to the individual's wellbeing and prosperity. The force of the individual relies on his fitness for the current workload and essential to any errand is fitness for living itself. Physical fitness makes one feel rationally more keen, physically more agreeable and more tuned in to body and later ready to adapt to the requests of regular life. Physical fitness as characterized by the WHO as

"the capacity to perform strong work acceptably".

Types of physical fitness

Health related physical fitness

A physiological condition of prosperity that decreases the danger of hypokinetic infection; a premise for interest in games; and an energy for the assignments of everyday living. Segments incorporate cardio-respiratory perseverance, muscle quality continuance, adaptability, and body structure.

Skill related physical fitness

Common modules of physical fitness such as dexterity, parity, coordination, speed, power, response time, that empower investment in games and other physical exercises; likewise called execution or engine fitness between errands, arrange an action, and ignore irrelevant information (Gordon and Jackson, 1985) ^[6].

Aerobic dance for upgrading physical fitness

In this competitive world, numerous individuals think that it's difficult to commit time for physical exercises like activities, even though one of their first needs is to stay fit as a fiddle. Here comes the simple technique for keeping up a perfect figure aerobic exercise. As the name proposes, move vigorous exercises are an arrangement of activities that joins the musical strides of heart stimulating exercise with smooth move developments. It can be comprehensively partitioned into four sorts high effect works out, low-affect works out, step heart stimulating exercise and water vigorous exercise. High effect practices include serious hopping activities that are co-ordinated with the cadenced beats of the music.

Low effect work out, the second sort of move oxygen consuming, incorporate less ricocheting action, however a more noteworthy measure of footwork, which are encouraged with the mind-set of the music being played. Step oxygen consuming activities are performed in a raised stage, while water energetic activities are done in waist-significant water. Conventionally, a move oxygen consuming activity is performed for around 20 to 30 minutes. The strides are performed musically, with 4 or 8 numbers. Move heart invigorating activity are a fun activities that associates in sustaining body offering essentialness to finish one's regular activities sufficiently and beneficially (Garrick and Regua, 1998) ^[2].

Conclusion

People's attitude towards take part in physical activities is not a positive one. Physical activity is an invaluable positive feature for human life and the need of the hour as it has multiple vitamins for human growth and healthy continued existence. They use grounds such as lack of time for involvement and social and economic issues. Instead, they consider it a burden and so are lethargic in this regard. In some cases, though they have a positive approach towards the need for physical activities, because of the ever changing human occupations of this competitive world, they postpone their participation in physical activities. However, physical activities are a basic need for healthy existence. Hence, it is necessary to find a remedy for these crises and to motivate people towards participation in physical activities by identifying the physical activities that are most feasible in terms of easy adaptability, consumption of minimum time, freedom from injury and an activity for both body and mind. Having such a positive thought, the investigator has to study the effect of yogic exercises as the alternate to aerobic forms

such as outdoor activities like walking, jogging, cycling and running in addition to resistance exercises on health related physical fitness and physiological aspects.

References

1. <https://blog.cognifit.com/types-of-exercise-benefits/> retrieved, 2017.
2. Garrick, Regua. The epidemiology of foot and ankle injuries in sports Clinics and Sports Medicine. 1988; 7(1):29-36.
3. www.ezinearticles.com retrieved, 2018.
4. <https://health.maryland.gov/bphte/Documents/clarke.pdf>
5. Bud, Getchell. Physical Fitness: A way of Life" Published by Wiley & Sons, Incorporated, John, 1976.
6. Gordon, Jackson, Fitness and Exercise" Sydney: Hodder and Stoughton. 1985, 77. Col. Ill. 23 cm.