

**Relationship of some Kinematic variables of disabled players , (37)
category for an 100 m running of youth.**

Asst.Pro. Dr . Akram Hussein Jabbur

Qadissiya university – Physical Education college

Ministry of higher education and scientific research – Iraq

The disabled players form a large proportion of the community , especially in those countries that have suffered from wars and natural disasters.

This category has won attention of society in developed countries where the ILO bite has estimated in a report the number of people with special needs for more than 610 million people, 400 million of whom in developing countries

In a report to the World Bank, this category represents approximately 15% of the proportion of the population in every country in the world, a ratio between young men and women

So, the institutions of the state have to interest in this category of people, especially the universities because they are the center of radiation to the whole world , the sporting side considered one of the most important aspects that play a significant role in the rehabilitation of the disabled, physically and psychologically.

The training process is an organized and directed process to develop the sports levels through planned and coordinated effects aims to develop efficiency and prepare of physical performance of the athlete to reach high levels in one of the activities or sports competitions and training

The planning plays a large and important role in the process of sports training, where the growth and evolution of the level of performance depends on the exact scientific planning of training programs

In order to ensure the achievement of the set goals for the training process , the coaches should train in accurate way to do the organizing, planning training requirements .

The kinetic analysis is one of the important science in the sports field to identify the strengths and weaknesses of the level of sports

The fact that the researcher oversees the training of the Iraqi national team in athletics wants to identify the most important Kinematic variables for this category during the filming of the contestants to put them with appropriate training programs.

The research problem was epitomized by the fact that the category (cp 37) categories of disability, which suffers from paraplegia

And that the big difference between the right and a half north of in the physical attributes and some changes Kinematic (such as the rate of step length and frequency of infected and healthy leg and the velocity and acceleration of each stage of the 100m race) has not been given sufficient attention by trainers and researchers.

This study aims to :

1-Identify some Kinematic values of variables of 100 m disabled players category (37) during the early stages of the technical of race.

2- Finding the correlation between some Kinematic variables during the stage of increasing speed , the maximum speed and the speed endurance of the contestants achievement of 100 m category (cp 37).

The researcher used the descriptive analytical manner and method of connectivity relations , the research sample are players Iraqi national team for the speed events and the number was (3 racers) from (cp 37) category.

Conclusions :

1-rate frequency step and lift angle of the thigh sound man and average length of step party proper effect of the completion of each stage of the growing effectiveness of speed racers at 100 m with special needs class
37

2 impact of each of the time , rate of step frequency , lifting the thigh angle of a fit healthy leg , angle of lifting the infected knee , rate length step of proper party , the average length of step the injured limb and the velocity and acceleration closely morally phase of maximum speed with racers effectiveness of 100 m with special needs class 37.

Recommendations :

- 1- Attention for paralyzed party of 100 m racers (37) category and trying to develop muscle strength and nerve because of its significant role in raising the level of achievement
- 2- Focusing on the steps frequency and their training because of their significant role in the development of speed and speed endurance, thus completing the contestants of the effectiveness of 100 m of special needs 37 class