Impact of computer display style to learn a serving in volleyball

Shaima Ali Khamis; Sabeha Sarhan; Hudhaifah Ibrahim Al Harbi
Physical Education Department\ Babylon University
Al-Mosaib Technical Institute\ Institutions Organization
Physical Education College\ Babylon University
Shamaaali56@yahoo.com
Babylonshoot@yahoo.com

ABSTRACT

In the course of chased the physical education lessons as well as recent learning understands in physical education colleges and their departments, the researchers observed a lack of interest to serving learn by using recent methods which depend on recent technical systems and computer programs through display and explain the skill and its accuracy parts by sample of players and performance of every player and effect of corners of the movement as well as lake of using recent scientific methods so the study shows the important of using learning methods and schedule them to serve the learning operation specially with difficult skills such (Serving skill), organizing of learning procedure and using a recent scientific methods are to rise the learning level and achieve of learning operation objectives to serve the skill. The study aimed to identify impact of computer learning style to learning the serve in volleyball, the researchers used experimental approach for equal groups because it is suitable to the nature of the problem which need to solve, the number of subjects was (20) students, was divided into two equal groups, study concluded that using of computer learning methods effect in learning of serving skill in volleyball, in addition various of skill learning methods help to speed the learning operation of the students.

Keywords: Computer, Serving, Volleyball.

1. Introduction:

The most important learning operation aims are when the teacher tries to arrive at learners to a good level and effective in learning different sport skills. The idea of the learning depends on readiness and ability and amount of time that learner needs them because learner is heart of learning operation and improving his capacities and abilities are main objective in this procedure which requires a full and accuracy interesting to plentiful a various learning attitudes and

plenteous a chance to achieve the perfect performance of the different sport skills that reverse the learner capacity to understand parts of skill or movement and its components.

There are a lot of learning methods that used to learn of sport skills, the level of successful of the skill and physical performance was differential, so experts and researchers are attempted to find methods that serves the sport games and activities to suitable with learners abilities. Volleyball consists of six skills the most of important is serving skill with different of types because this kind of skills needs too many of methods and advanced styles to access to perfect performance level.

Serving is one of the decisive and attack skills in which can get a point directly, serving skill is called in motor learning the motor lonely skill, it means there is a clear outset and end and this helps to understand the parts of movement clearly and all these get through correct repetitions and depends on feedback to insurance of motor performance, as a result of developing of skill and physical performance in volleyball so experts and coaches tried to find out a new training and learning styles to develop the serving skill which is characterized a high difficulty and need to hit the ball with high timing accurate, so it needs to more of continue training in order to the player is best in performance.

Recent training of the serving occupies a great part of the training unit and using a recent technique systems and computer and computer programs to improve the performance of learner. In the course of chased the physical education lessons as well as recent learning understands in physical education colleges and their departments, the researchers observed a lack of interest to serving learn by using recent methods which depend on recent technical systems and computer programs through display and explain the skill and its accuracy parts by sample of players and performance of every player and effect of corners of the movement as well as lake of using recent scientific methods so the study shows the important of using learning methods and schedule them to serve the learning operation specially with difficult skills such (Serving skill), organizing of learning procedure and using a recent scientific methods are to rise the learning level and achieve of learning operation objectives to serve the skill. The study aimed to identify impact of computer learning style to learning the serve in volleyball.

2. Methods:

Researchers used experimental approach (equal groups) because it is suitable to the nature of the study where experimental approach is more reality to solve a lot of scientific problems

practically and theoretically (Mohamad and Ausama., 2000). The researchers carried out their pre-tests on 5 September 2013 whereas the post-tests were achieved on 25 November 2013 at the same procedures of pre-tests.

2.1 Subjects:

120 students from second class of physical education of Babylon University represented the search community, 20 players were selected randomly from them, and they divided into two groups (10) players to the experimental group and (10) players to the control group. To be study groups homogeneous and to adjust of study variations which impact in experiment, the researchers tried to find the homogeneity between study variations by skewness coefficient, most of variations achieved skewness value less than + - 1 and this means that subjects distributes homogeneously as shown in table (1). The researcher did also an equal between two groups in variations itself by used T-test for independent subjects as shown in table (2).

Table (1) shows the subject homogeneity in study variations.

Statistical Variations	Mean	Standard Diviation	Skewness coefficient
Length Cm	173.22	3.43	0.13
Weight Kg	71.23	2.67	0.16
Age Year	21.34	0.87	0.34

Table (2) shows subject equal in study variations.

N	Variation	Group				Calculate T	Significant Level	Significant
		Experimental		Control				
		Mean	Standard Deviation	Mean	Standard Deviation			
1	Serving skill	3.13	1.03	3.34	0.58	1.84	0.07	N S

Subject size (20), significant level (0.05).

2.2 Serving skill in volleyball:

The researchers chose the test which has a relation with serving skill performance in volleyball, the researchers depends on apparent structure to evaluation of skill, so the researchers divided the skill into three departments as shown below:

Preliminary Section (3) degrees, Main Section (6) degrees, Final Section (1) degrees.

Note: The total degrees is (10) degrees (Akeel and Amer., 2001).

- The aim of the test: evaluation of attack serving skill performance by three parts (Preliminary, Main, and Final part).

- Used tools: legal volleyball court, balls account (3), and evaluation form which is prepared previously.

- Performance Method: the player carries out serving skill in 4 center, the teacher tries to prepare the ball in good position to the player and the player executes of serving skill and fallen the ball in opposite court.

- Recorder: there are three recorders evaluation of 3 attempts for every player, the final estimation degree for every attempt is 10 degrees, it is divided on three of skill parts, as explained above, and then the researchers choose the best estimate from every recorder, however, the researchers extract the mean for three evaluations, this process will help to get the final degree to each student.

2.3 Statistical analysis:

The SPSS (Mohammed Nasir.2003) was used in the analysis of the study data.

3. Results and discussion:

Results of this study shown a significant difference between pre and post-tests of the study groups, experimental group was more best than control group as demonstrated in table (3), the researchers attributed the reason of that into influence of computer programs in learning of serving skill because they give a sense of the value of student achievement that achieved in accordance with the specific goal and in a specific time period and short (Zaher and Iqbal, 1996),

Table (2) Show statistical of sample to learning skill of attack serving in volleyball for experimental and control groups

Groups	Pre Test		Post Test		Value of Calculate T	Significant Level	Significant
	Median	Standard deviation	Median	Standard deviation			
Experiment	3,70	0,82	6,86	0,55	8,539	0,04	S
Control	4.22	0.622	4.92	0.74	2.09	0,73	N S

Every value of significant level less than 0.05 is significant.

Learning methods play an important and effective role in learning where these methods impact in learning fastness and its approaches, and are different with variable of its specific, styles are influence of fast of learning and degree of satisfaction in learning. Correct and suitable adaptation of the method depends on wright understanding to the factors which relate subject so as to confirm its trace and value in different learning attitudes (Mohammad., 1987).

Researchers attribute the results above to learning units through using the exercises and clarify by computer which showed there was an impact in determine timing and carry out of learn of serving skill performance, explaining, displaying, and training of the skill and its follow in succession and feedback were got along with learning strategies. Thus they are achieved an important standard from motor learning standards, it is rule of stages of motor learning and progress in learning from earn to learn until access the stable and this is called the natural developing of the motor learning (Yarob., 2002).

The attitudes of variable learning and continuous of performance within learners abilities participated to develop of skill learning, in addition, learning environment of the motor skills special closed skills, applied the performance according to the real of play situation, and direction of the learner to consolidate the skill performance directly and understand the using of skill through play may result in help the learner and increase his control of the ball and performance the skill correctly, and thus increase the desire of the learning and give the learner more motive to learn the skills through playing directly as well as adaptation to the skill play in good level of accuracy because of effective training of the skill during play which help the player to perform the skill in good coordination, Mohand.,

(2006) confirm that component play exercises play a significant role to learn the motor skills and improve coordination and reduce the extra movements.

Learning method by using a computer is a good style to learn serving skill which obliges to divide the skill into many parts and learning every part separately and then collect the parts and connect them as one part as well as using the exercise slowly to increase the motor control specially in the time of early learning, also divide the students into small groups and this depends on type of error during performance to correct the error easily. Qassim., (2005) supports this idea and showed that regular of skills play a positive role in mastery degree, the skills which display with good regular result in achieve the learning easily and quickly and then achieve more abilities.

4. Conclusion

Researchers concluded that using learning method by computer is effective in learn of serving skill in volleyball as well as variable of methods to learn component skills which needs to coordination of its performance have an effective trace to fast of learning operation for the students.

References

Akeel A. Amer J. National rules to the volleyball 2000-2004, Baghdad, 2001, PP 26.

Mohamad HA. Methods of training and competition, Val 4, Qahera, Al Mariph, 1987, PP 40.

Mohanad H. and Ahmad MA. Physiological of sport training, Vol 1, Amman, Dar Waal for publish, 2006, PP 307.

Qassim LS. Subjects in motor learning, Baghdad, Physical Education College, 2005, PP 308.

Yarob K. Motor learning between role and applied, Baghdad, Sakhara office for printed, 2002, PP 42.