ISSN: 0975 -8542

Journal of Global Pharma Technology

Available Online at www.jgpt.co.in

RESEARCH ARTICLE

Executive Attention and its Relationship to Precision Throwing the Air Pistol to Female Players in Iraqi Clubs

Eman Shalaka Awad Al-Shaher[1], **Boshra Kadhim Al-Hamashi**[2]

University of Baghdad /Faculty of Physical Education and Sports Sciences for Girls/Iraq.

Abstract

Through the experience of the researcher in the field of firing an air air pistol as a player in the national team for women noted the presence of several factors affect the performance of players and lead to failure as a result of throwing during the competition, local or international The most important factors are the psychological factors that have a prominent atmosphere of competition, Increase the psychological burden on shooters. It may be difficult for the trainer to know or measure the psychological phenomena or mental processes of knowledge of the players through the presentation or viewing, and with the development of methods and scientific methods, it is possible to measure these variables easily and with high accuracy and guaranteed results.

The study aimed to identify the relationship between the operational attention and accuracy of shooting with the air pistol of the shooting players

The conclusions were as follows:

- The results of the study showed that the higher the level of executive attention the higher the accuracy of throwing the players high.
- There is a significant positive relationship between the attention of the executive and accuracy of shooting with the air pistol of the shooting players.

Keywords: *Executive attention, Precision throwing and air pistol.*

Introduction

The rapid scientific and scientific progress witnessed by the world in the various sciences, especially the sciences of physical education, which reflects the rapid development and breaking records and the high level of sports performance did not come from a vacuum, but came from a combination of efforts and the implementation of what results from the results of research scientists sports education and specialists in this area, In the development of everything related to sport depending on the modern traders and the development of the science in addition to the adoption of the principle of specialization in the work that helped to raise the level of sport.

Attention is an introduction to cognitive processes because it is the point of convergence of knowledge of reality. The process of attention is an important issue that has attracted the attention of psychologists in general and cognitive psychologists in particular. And attention plays a central role in the practical, mental, productive and recreational life of the individual and at the conceptual and conceptual levels and in the technical skill level. Therefore, it represents the basis of the learning process and the important pillar of the overall compatibility process in its various fields, from the biological level to the social level, And make them available because the information and images provided by the work Attention to the individual is only a means for the individual to achieve and maintain his internal and external dynamic balance.

The sport of archery is an impressive and widely developed sport especially recently so that the results achieved by shooters in tournaments are unexpected due to the interaction between the science of sports training and sports psychology, and other sciences that have positively affected the game of shooting such as science Sports physiology, biomechanics, orthodontics and

others. The modern means of measurement also affected the level of this game as well as the continuous development in the training and competition. The level of the performance of the Rami in sports competition is linked to many psychological emotions and mental processes, which sometimes lead to distrust of the athlete himself psychological, attention to one of these mental processes, which leads to the imbalance in the neuromuscular consensus, which significantly affects the performance of skills while aiming at the target [1].

From this point of view, the researcher decided to study the relationship of the executive attention and the accuracy of the correction in the effectiveness of shooting air pistols, which contribute to increase the knowledge of the coach the psychological state of his players and to identify the most important effects to reduce and treat the future.

Research Problem

Through the experience of the researcher in the field of firing an air pistol as a player in the national team for women noted the presence of several factors affect the performance of players and lead to failure as a result of throwing during the competition, local or international The most important factors are the psychological factors that have a prominent atmosphere of competition, Increase the psychological burden on shooters.

It may be difficult for the trainer to know or measure the psychological phenomena or mental processes of knowledge of the players through the presentation or viewing, and with the development of methods and scientific methods, it is possible to measure these variables easily and with high accuracy and guaranteed results. So the problem of research is a descriptive study to identify the relationship of executive attention to the effectiveness of shooting with an air pistol.

Research Objectives

- Identify the attention of the executive and accuracy of firing the air pistol of the players of the shooting.
- Identify the relationship between the attention of the executive and the accuracy of throwing the air pistol of the players of the shooting.

Research Hypotheses

- There are differences of statistical significance in the attention of the executive and accuracy of shooting with the air pistol of the shooting players.
- There is a significant correlation between the operational attention and accuracy of shooting with the air pistol of the shooting players.

Research Methodology

The problem that the researcher seeks to solve is determining the method chosen for the purpose of achieving the desired results, so the researcher used the descriptive approach to the methods of survey and interconnectivity.

Search and Sample Community

The research community is represented by the players of Iraq's Olympic Shooting Clubs distributed to various governorates of Iraq. The random sample (10) is chosen randomly, as shown in Table (1).

Table 1: Shows the clubs and the number of players

S	Club name	Total number	Basic experience	Pilot study
1.	Baghdad	4	4	
2.	Kadhimiya	2	2	
3.	Maysan	2	2	
4.	Faculty of Physical Education	6	2	4
Total	4	14	10	4

Homogeneity of the Sample

Table 2: The homogeneity of the research sample in both time and training

Variables	Measuring unit	N	Mean	Median	STD.EV.	Skewness
Length	Cm	10	156.2	155	5.626	0.823
Weight	Kg	10	63.4	71.5	4.477	0.543
Age	Year	10	24.7	24.5	2.003	0.307
Training age	Year	10	3.9	4	0.876	0.223

Table (1) shows that the values of the torsion coefficient for the variables indicated in the table were limited to (±3) indicating the homogeneity of the research sample, and that they are within the normal distribution curve.

Tools, Devices and Instruments used Search

- Scientific sources and references.
- Tests and measurements.
- Pistol antenna.
- Shots.
- Goals of electronic throwing.
- Field of throwing.

Field Research Procedures

Test Executive Attention

Description of the Executive Attention Test

The researcher adopted the test of the executive attention he has built (compliance with Khudair Bahr). The test consists of (20) multi-type tests divided into two components for each component (10) paragraphs. These paragraphs are a set of shapes and the respondent chooses the different form among these forms It consists of each question five forms one of them different, and the rest is similar, and the test scores is calculated by giving one degree (1) the correct answer, and (zero) to answer wrong so that class be the total test consists of (20) degrees.

Test Firing Accuracy [2]

Purpose of the Test

Measure the accuracy level of the throwing

Test Tools

10-air pistol number 10 and painted and numbered cartographic targets as provided for under international law of archery.

Explanation of the Test

Stand on the line of scoring against the goal and the air pistol and committed to the correct and balanced in terms of technology, and then throwing at the goal.

Test Recording

Each bullet is given 10 points. The score is calculated by means of the holes in the target, which is better for firing. It is (10) a point which is called the center of the target and the lowest value is zero. The test time is (1.15) minutes.

First Pilot Study

The researcher conducted the first exploratory experiment on Thursday 1/3/2018 to reveal the following:

- To make sure that the instructions and the measurement points are clear to the players.
- Identify the time taken to answer the meter.
- To identify the conditions of application of the scale and the associated difficulties.
- The researcher shall have practical training in order to identify for himself the negatives and positives that correspond to him during the main test.

The pilot experiment was applied to (4) players from outside the research sample. The experiment revealed the following:

- The instructions were clear by the members of the sample.
- The paragraphs were clear and not ambiguous.
- The time to apply was between (11-13) minutes.
- Alternatives to the response were appropriate for the level of the sample members

The standard is now ready for implementation and consists of (20) paragraphs.

Second Pilot Study

The researchers carried out the exploratory experiment on Friday, 7/3/2018, on a sample of the research community of the players from outside the sample of the (4) of the players where the pilot was conducted for the purpose of:

- Ensure that tests are suitable for the nature of the research sample.
- Stand on the time taken to perform the tests.
- Avoid errors and obstacles that may appear in the basic experiment.
- Know the efficiency of the work team assistant and training on how to conduct tests and evaluate.
- Ensure the validity of the tools and devices used.

The Scientific Foundations of the Research Variables

Validity Test

The researchers used virtual honesty to test operational attention and test the precision of firing an air pistol. "Virtual validity one of the most valid types of honesty, especially when it comes to measuring individual skills" [3].

Stability Test

The researchers found the stability coefficient for the active attention test (0.94) as well as the stability coefficient to test the precision of firing the air pistol (0.85) by testing and retesting.

Main Experience

After the completion of the required requirements for the preparation of the scale, the final experiment was applied to the sample of the (10) players representing four clubs and the scale was distributed to the players in their places of residence so that they sit apart from each other to avoid the impact of their response to each other, and the time has come to answer the paragraphs of the scale 13-15 min) and then collected the laboratory responses and the final experiment was started by 2018 \ 3 \ 15 by the researcher and the auxiliary team. The accuracy test was applied after completing the answer on the scale.

Results and Discussions

View, Analyze and Discuss the Results

Table 3: Shows the mean, the standard deviation and the correlation coefficient between the search variables

S	Variables	N	Mean	STD.EV.	(r)* calculated	Tabulated	Significance
1	Executive attention	10	15.7	4.92759	0.76	0.521	Sig.
2	Shooting accuracy	10	91.8	8.46612			

*When a significant error ratio ≤ (0.05) and the degree of freedom (9)

By observing the table (3), the mathematical mean of the executive attention was (15.7), with a standard deviation of (4.92759), and the arithmetic mean of the accuracy of the throw was (91.8) and by a standard deviation of (8.46612) the simple correlation between the two variables. The calculated value of (r) (0.762), which is greater than the value of (r) the scale of 0.521.Since the calculated value is greater than the tabular value, this indicates a significant correlation. From the above it is clear that there is a significant positive correlation between the operational attention and the accuracy of firing the player's pneumatic air pistol. The researcher attributed the reason that the nature of the Olympic shooting game is a concentration game and requires the player to be aware of the level of attention to be able to perform correctly in races. A good mentality can maintain a high and correct performance).[4] Lovett suggested that attention varies in capacity from person to person and affects the ability to acquire the information that an individual is exposed to, as well as the method of storage and retrieval. This model links executive attention to the performance of an individual when he was shown a set of tasks, and noted Lovett, that whenever the tasks that are presented to the individual difficult led to a disruption of performance" [5].

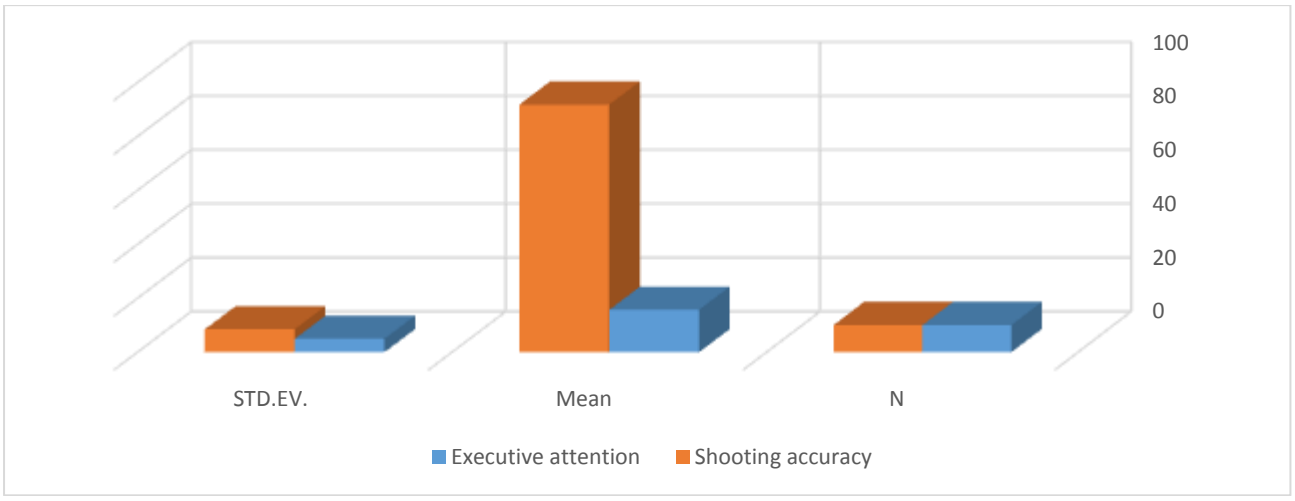


Figure 1: Illustrates the mean and standard deviation of the search variables

Conclusions

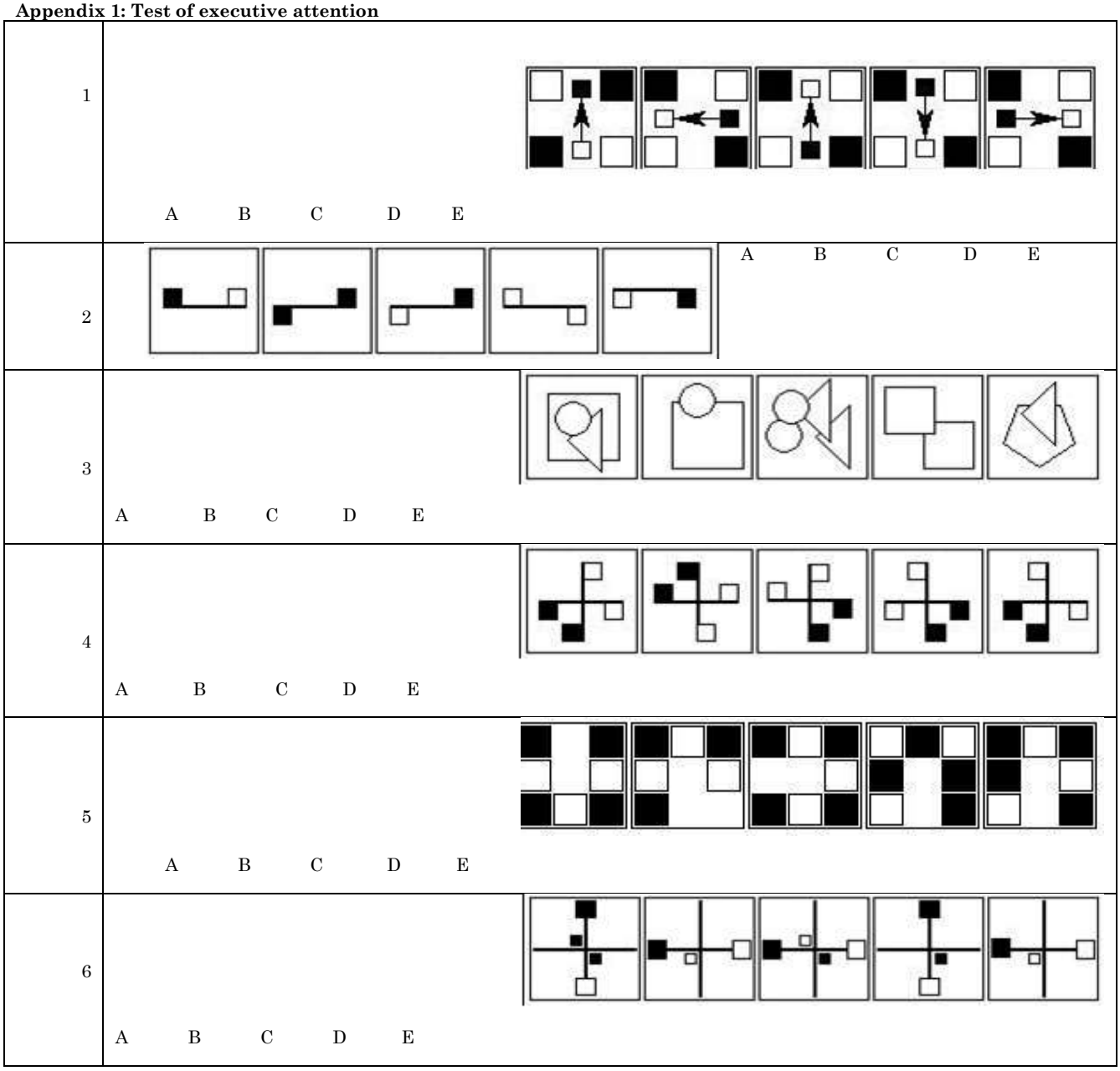
From what was presented to the current research results, the researcher concluded the following:

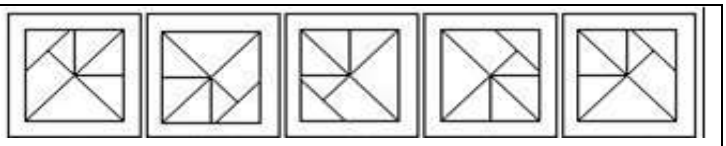
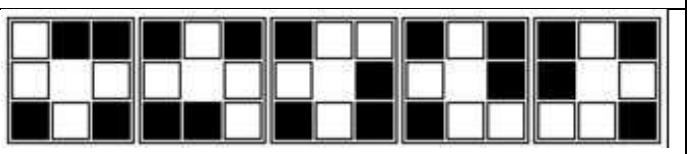
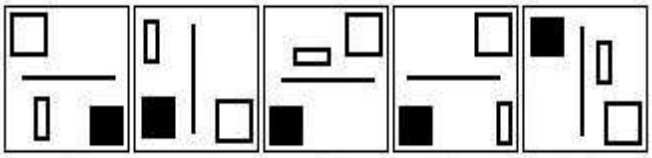
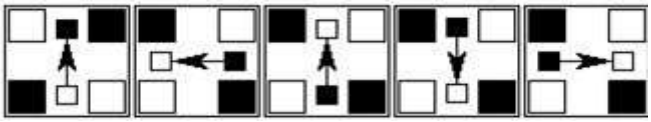
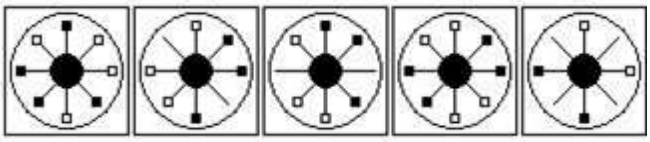
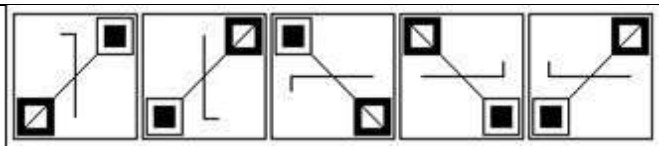
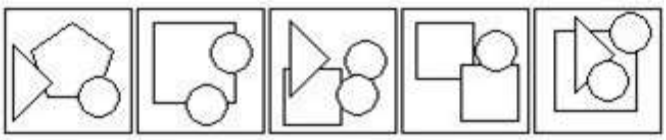
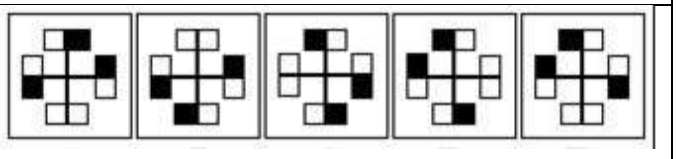
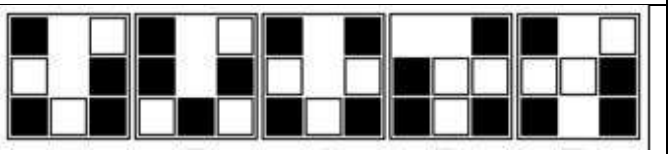
- The results of the study showed that the higher the level of executive attention the higher the accuracy of throwing the players high.
- There is a significant positive relationship between the attention of the executive and accuracy of shooting with the air pistol of the shooting players.

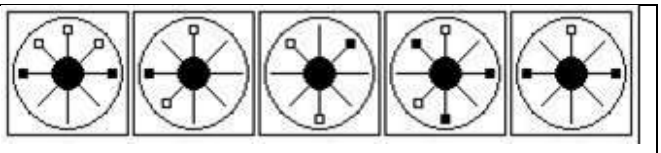
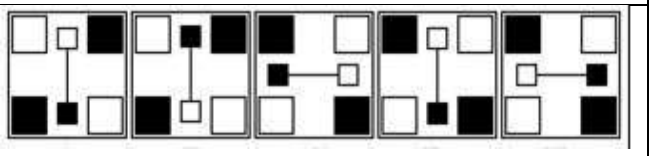
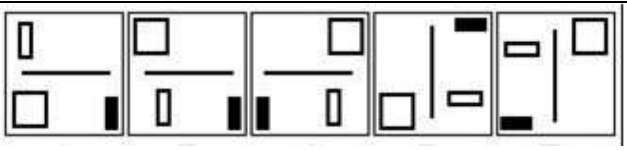
References

1. Norman DA, Shallice T (1986) Attention to action. Willed and automatic control of behavior .In R. J. Davidson, G. E. Schwartz, & D. Shapiro (Eds.), Consciousness and self- regulation, 138.
2. Mohamed Adel Abdel Halim (2009) Arab Shooting Federation: Egypt Press,.
3. Nizar Al-Taleb, Mahmoud Al-Samarrai (1999) Scientific Transactions between Theory and Practice, Cairo, the Book Center for Publishing,.
4. Daily R, Lovett M (2001) Modeling individual differences in working memory performance: A source activation account. Cognitive, Science, 25(3): 315.
5. Khudair Bahr's compliance; executive attention and its relation to the cognitive memory capacity of university students, published doctoral dissertation

Appendix 1: Test of executive attention



7	 A B C D E
8	 A B C D E
9	 A B C D E
10	 A B C D E
11	 A B C D E
12	 A B C D E
13	 A B C D E
14	 A B C D E
15	 A B C D E

16	A B C D E	
17	A B C D E	
18	A B C D E	
19	A B C D E	
20	A B C D E