P-ISSN: 1992-0091
E-ISSN: 2708-3454

Modern Sport
Vol.22 No.2 ,2023

Published 30/06/2023 Open Access

DOI: https://doi.org/10.54702/ms.v22i2.1100

The motor speed of the armed arm and its relationship to some foil skills for the female team players of the College of Physical Education and Sports Sciences for Girls University of Baghdad

Zainab Adil Ashour [1], Ishraq Ghalib Udah [2], Mariam Ahmad Abu Alim[3]
E-mails: Zainab.Adel2104m@copew.uobaghdad.edu.iq [1], ishraq@copew.uobaghdad.edu.iq [2]
Mariam.a@yu.edu.jo [3]
1&2 Physical Education and Sport Sciences college for women, University of Baghdad, 3 Yarmouk University, Irbid, Jordan

Received: 23/01/2023, Accepted: 05/02/2023

Abstract

The sport of fencing is one of the well-known Olympic sports in the field of individual games, due to the fact that this sport has many characteristics and capabilities, whether physical or kinetic, and in order for the fencer's movements to be on a high degree of consistency and mechanism, we had to highlight basic motor capabilities that play a major role in catarrh was the movement speed of the armed arm, which is based mainly on the ability of the fencer and his mastery of coordination between the armed arm and controlling the distance simultaneously with the movement of the front and back feet and merging them into one frame between the armed arm and the goal of the competitor. The two researchers noticed that the sport of fencing requires high capabilities. And great efforts must be available in the swordsman to enable him to achieve victory over the opponent through the player's enjoyment of movement capabilities that perform in one coordination to generate high vision and a great ability to focus accurately on the opponent's goal, and because the skills of the foil weapon, offensive and defensive, require great ability and coordination to reach the goal with ease and comfort. The two researchers studied the relationship between the motor speed of the armed arm and some skills of the foil weapon. The study aimed to identify the kinetic speed of the armed arm of the female players of the College of Physical Education and Sports Sciences for Girls, University of Baghdad, and to identify some of the skills of the foil weapon (circular attack, counter-attack, horizontal defense). The female players of the national team and the identification of the relationship between the motor speed of the armed arm and some of the skills of the foil weapon among female players of the College of Physical Education and Sports Sciences for Girls for the sports season (2022/2023) and the number of (10) players. As for the conclusion that there is a significant correlation between the speed of the motor response of the armed arm and some of the skills of the foil weapon (circular attack, counter-attack, horizontal defense), the two researchers recommend building a basic base of capabilities, whether physical, kinetic or skill

Keywords | **Motor response speed of the armed arm, foil skills**

Introduction:

The sport of fencing is one of the well-known Olympic sports in the field of individual games due to the fact that this sport has many characteristics and capabilities, whether physical or kinetic, as the sport of fencing varies in characteristics one after the other. A feature of this era because of its speed that makes it open up multiple horizons for everything new in various fields, including the sports field) (13) and in order for all the fencer's movements to be on a high degree of consistency and fast mechanism, we had to highlight Basic motor abilities play a major role in catarrh, so the motor speed of the armed arm depends, rather, the basic degree on the player's ability and mastery to coordinate between the armed arm

P-ISSN: 1992-0091
E-ISSN: 2708-3454
Modern Sport
Vol.22 No.2 ,2023
Published 30/06/2023 Open Access

and adjust the distance at the same time, and then the instructions resulting from the nervous system with the movement of the front and back feet in order to combine the movements with some of them are in one frame and in one movement through work between the man and the armed arm and the opponent's goal, especially since the skills of the foil weapon require a high ability to control performance and full control over the course of catarrh, especially in offensive and defensive movements that require the player to have special motor capabilities to enable him to win and achieve satisfactory results in Catarrh, and here comes the importance of the research in knowing the relationship between the motor speed of the armed arm and some of the skills of the foil weapon through the two researchers looking at some scientific sources and references for the sport of fencing. You need to develop the element of strength, speed, agility, and shooting power (8) from sports that require high capabilities and great efforts that must be available in the player to enable him to achieve victory over competition, and as indicated by (Mustafa and Alaa) (in fencing, some assignments or tests are designed to develop A mechanism for understanding and perception to make the right decision and then implementation) (9) as if it is characterized by high physical and motor capabilities, especially the motor capabilities that require performance and coordination within one frame and with one movement between the man and the armed arm and the target of the opponent, which generates high vision and a great ability to focus high and precise on the competitor's goal, and because the offensive and defensive skills of the foil weapon require great ability and coordination from the player to reach the performance of a goal with ease, so the two researchers decided to study the relationship between the motor speed of the armed arm and some of the skills of the foil weapon. and Sports Sciences for Girls, University of Baghdad, to identify some of the skills of the foil weapon (circular attack, counter-attack, horizontal defence) for the female players of the College of Physical Education and Sports Sciences for Girls, University of Baghdad, to identify the relationship between the motor speed of the armed arm and some of the skills of the foil weapon (circular attack, attack counter-temporal, horizontal defence) among female players of the College of Physical Education and Sports Sciences for Girls, University of Baghdad.

Research Hypotheses, there is a statistically significant relationship between the motor speed of the armed arm and some of the skills of the foil weapon (circular attack, counter-attack, horizontal defence) among the female players of the College of Physical Education and Sports Sciences for Girls, University of Baghdad. University of Baghdad (2022-2023), numbering 10 female players.

Method and tools:

The two researchers used the descriptive approach due to its suitability and the nature of the research used (the descriptive approach is looking for finding the relationship between two or more variables through (relational studies) and this is confirmed by (Israa and Ali) (that the use of the descriptive approach with correlations is important in descriptive research) (12). As for the research sample, the sample was chosen by the intentional method from the female players of the College of Physical Education and Sports Sciences for Girls, University of Baghdad, for the sports season (2022/2023), numbering (10) female players who have previous experience in this sport, and they are thus represented by the research community 100%.

P-ISSN: 1992-0091
E-ISSN: 2708-3454
Modern Sport
Vol.22 No.2 ,2023
Published 30/06/2023 Open Access

Table (1)
Shows the homogeneity of the research sample with variables (Length, weight, training age, chronological age)

.Seq	Variables	Measurement unit	Asthmatic mean	Standered deviation	Median	Coefficient of torsion
1	Length	cm	164,2	3,90	164,72	0,565
2	Wight	Kg.	70,8	11,68	73	0,88
3	Training age	Year	3,2	0,86	3	0,687
4	chronological age	Year	19,1	1,25	19	0,24

Devices, tools, and means of collecting information used in the research, whatever those tools are of data, samples, and devices, which are as follows: The devices used in the research - fencing court - fencing player equipment - measuring device for length and weight - foil weapon, indicators, calculator, and means of collecting information used in research - Arabic sources and references.

The assistant work team - the tests used in the research Test the motor speed of the armed arm.

The objective of the test: measuring the motor speed of the armed arm.

The tools used in the test: a foil weapon, and a sign Performance description: The player stands in a ready position (on card) and at an appropriate distance from the figure on which circles are drawn with a diameter (20 cm) as the target, i.e. the circles drawn on the figure hanging on the wall, is touched by extending the attached joint of the armed arm, taking into account the change in the height of the figure according to the height of the player, as the level of the centre of the drawn circle is the level of the player's chest while she is in the ready position, and this is in addition to placing the arbitrator's hand or A cuff behind the elbow of the player's arm, provided that it is not adjacent to the player's waist, and this confirms the bending of the armed arm after touching the target correctly for the purpose of repeating the attempts.

registration method

The time is calculated for ten consecutive lunges

Evaluation of foil skills

The foil skills (circular attack, counter-attack, and horizontal defence) were evaluated.

By three arbitrators (*), by placing a score out of (10), and the arithmetic mean of their grades is taken, and then the performance is evaluated by videotaping these skills and presented to three arbitrators, and each skill is evaluated according to a form prepared for this purpose, Appendix No. (1).

(*) The arbitrators of the skills of the foil weapon, and they are each of:

(1) Prof. Dr. Muhammad Diaa, referee, trainer and teacher of fencing in the College of Physical Education and Sports Sciences, University of Baghdad Al-Muthanna.

(2) Prof. Dr. Nour Hatem Makki, referee, trainer and fencing teacher in the College of Physical Education and Sports Sciences for Girls, University of Baghdad.

(3) Asst. Lect. Reem Mohammed is a female fencing player and referee in the Iraqi Central Fencing Federation.

P-ISSN: 1992-0091
E-ISSN: 2708-3454

Modern Sport
Vol.22 No.2 ,2023

Published 30/06/2023 Open Access

The exploratory experiment: The exploratory experiment was conducted on a sample from outside the main research. The sample of the exploratory experiment consisted of four third-stage female students who practice fencing. The exploratory experiment was at ten o'clock in the morning (9/10/2022) and its purpose was:

1- Identify the obstacles that pregnancy faces during the main experiment.

2- Ensure that the tools used are valid.

3- Identifying the time of each test in addition to the total time of the test.

4- Ensure the efficiency of the auxiliary work team.

The main experiment The two researchers carried out the tests on the main research sample on Sunday corresponding to (10/16/2022).

At exactly ten o'clock in the morning, the following tests were applied:

(Ishraq) (testing the motor speed of the armed arm) (3).

Then the tests of foil skills (circular attack, counter-attack, and horizontal defence) were applied. In the fencing hall of the College of Physical Education and Sports Sciences for Girls, University of Baghdad, taking into account all the appropriate conditions for the implementation of tests and statistical methods, the statistical program (SPSS) was used to process the results of the tests

Results

Table (2)
Shows the values of the arithmetic mean, standard deviations, and the value of the calculated correlation coefficient and tabular tests used in the research

.Seq	Variables	A	STD	correlation coefficient	Sig	significance
-1	The kinematic speed of the armed arm	6,06	1,52			
-2	Circular attack	7,7	1,32	0,74	0,001	Sign
-3	Counter time attack	6,4	2,03	0,69	0,004	Sign
-4	Horizontal defense	8,6	1,91	0,82	0,000	Sign

Discussion:

The results of the research tests showed that there is a significant correlation between testing the motor speed of the armed arm as indicated by (Maryam) (the interest of the trainers in trying to identify the components of motor abilities and how to measure and develop them) (2) and some of the skills of the foil weapon (circular attack, attack counter temporal, horizontal defence) as indicated by (Lama and Maysoon) (the evaluation of learning and performance in the foil weapon depends on the parts of the movement and its manifestations) (1)

The two researchers believe that the sport of fencing requires many capabilities, whether motor, skill or physical. One point, which is the goal of the competitor, because the sport of fencing is one of the fast games that need a high

P-ISSN: 1992-0091
E-ISSN: 2708-3454

Modern Sport
Vol.22 No.2 ,2023

Published 30/06/2023 Open Access

and accurate response that works within one frame by developing capabilities and continuous high-speed responses to reach the competitor's goal, achieve the touch and ensure victory, and this is what (Adel and Shaima) indicated (that the fencing game It needs multiple requirements, including skill and mentality of a high level (4) and as indicated by (Ma'rib and Fatima) (achieving high achievement in the sport of fencing requires high thinking and different abilities) (11)

The two researchers believe that the circular attack is one of the most important basic attacks in the compound attack, in which the circular, rapid and sudden roll is taken into account before the opponent to reach a goal and thus score a touch on it.

The two researchers believe that the time counter attack is performed at an appropriate and accurate time when the attacking player starts and ends his attack without making any defence because the time attack is performed by the defending player, which needs a timing speed for the movement of the weapon synchronized with the movement of the opponent (the attacker) to speed up the registration of a counter-touch on him, and this is also confirmed by him. (Fatima and others) (The indication of the time counterattack is done by extending the armed arm towards the target and covering the side where the attack is taking place to force the opponent to exit the legal target) (5).

The two researchers believe that the horizontal defence is one of the most important types of defence, as it is considered the primitive position to start all movements and skills, whether offensive or defensive, in the upper lines of the target. It controls all types of attack so that the performance fails at the beginning of its movement, and this is confirmed by (Nabaa) (the horizontal defence is one of the most important types of defence that is used to protect the upper target areas in the upper lines by moving from the sixth defence position to the fourth defence position and vice versa in the lower lines. His transition through the transition from the eighth defence position to the seventh defence position and vice versa, which is a basic defence position for all types of attack (6). Also, (Nour, Zafer and Muhammad) indicated that the effective relationships of physical and motor abilities were limited to performing the simple direct attack skill (straight) for fencers) (7) and represents the basic rule for good skilful performance (technique), and thus the level of technique for those skills depends on what the player enjoys, and the skills are closely related to specialized sports activities.

Conclusions:

By studying, analysing and discussing the results of the research, the two researchers concluded:

There is a significant correlation between testing the motor speed of the armed arm and some skills of the foil weapon (circular attack, time counterattack, horizontal defence). The female players of the College of Physical Education and Sports Sciences for Girls, University of Baghdad.

Based on the conclusions, the two researchers recommend the following:

1- Building a basic base of capabilities, whether physical, motor or skilful.

2- Developing physical fitness with all its various elements to develop adaptive ability to perform skills.

3- Diversity in the use of training methods and methods that are in favour of abilities, whether motor, physical or skilful.

P-ISSN: 1992-0091
E-ISSN: 2708-3454

Modern Sport
Vol.22 No.2 ,2023

Published 30/06/2023 Open Access

Author's declaration:
Conflicts of interest: None

We confirm that all tables and figures in this article are ours and written by the researchers themselves.

Ethical-Clearance: this manuscript approved by local ethical committee of physical education and sport sciences college for women on (February /2023)

Author's contributions:
All contributions of this study were done by the researchers (Z.A. and I.G.) who get the main idea and work on writing and concluding also with number of experts from the same college, Nour hatim in Statistics, Suaad Sebti in revision, Inaam Ghalib in translating, Ahmed Rajab in proofreading

Facilitate the task: this study was supported by the individual games department/ Physical Education and Sport Sciences college for women/ Baghdad University – Baghdad – Iraq

References:

1. Maison Mohammed, Luma Sameer. (2020). The effect of the Zahoric model in learning some kinetic sentences. Modern sport, 19(2). P:49 https://doi.org/10.54702/msj.2020.19.2.0045

2. Maryam Thamer Al-Kaabi. (2015). Comparison of some motor abilities between the players of the Iraqi national team for fencing with two weapons (the fencing sword and the fencing sword). Modern Sport, 14(4). P: 99 https://jcopew.uobaghdad.edu.iq/index.php/sport/article/view/161/150

3. Ishraq Ghalib Udah. (2009). Motor response speed exercises in the development of some functional, physical and motor variables associated with counter-attacks in the fencing weapon. PhD thesis, Baghdad University, physical education and sport sciences college for women. P:48

4. Adil Fadhil, Shaimaa Ahmed. (2011). The effect of using the preferred character on the level and amplitude of the simple attack in the fencing weapon. Modern Sport, 10(15). P: 4 https://jcopew.uobaghdad.edu.iq/index.php/sport/article/view/479

5. Fatima and others. (2011). Fundamentals of Fencing. (1st Edition). Amman, Arab community library. P: 128

6. Nabaa Riadh. (2022). The Effect of Skill Training with the Automatic Fencing Device on Response Time and Some Mechanisms of Movement Appearances and Effectiveness of Offensive and Defensive Performance for Young Fencing Players. PhD thesis, Karbalaa university, physical education and sport sciences college. P: 52

7. Noor Hatem AlHaddad, Dhafer Namoos AlTaie and Mohammed Jasim Al-Yasiri. (2022). Efficiency of a predictive model for assessing the performance of the simple direct attack in terms of physical and motor abilities of junior fencers ,P:1 https://revistas.um.es/sportk/article/view/537151

8. Widad Kadhum, Hardan Aziz and Hadeel Amer. (2018). Effect of Specific Resistance Training in the Physical Efficiency and Performance Endurance for Some Defensive and Offensive Movements in Handball. Modern Sport, 17(3). P:16 https://jcopew.uobaghdad.edu.iq/index.php/sport/article/view/768

9. Mostafa Hassan Abdel Karim, Alaa Abdullah Falah. (2015). Designing a challenge shooting accuracy test to measure the skill level of learning in the fencing game, Modern Sport, 14(2). P:213 https://jcopew.uobaghdad.edu.iq/index.php/sport/article/view/200/182

10. Anaam Abdul-ridha, Suhad Qassim and Abeer Dakhil. (2020). Effect of using flat

P-ISSN: 1992-0091
E-ISSN: 2708-3454

Modern Sport
Vol.22 No.2 ,2023

Published 30/06/2023 Open Access

hierarchical method on some aspects of muscular strength and straight serve skill for nascent tennis players. Modern Sport, 19(2). P:8 https://jcopew.uobaghdad.edu.iq/index.php/sport/article/view/537

11. Maarib Jawad Kadhum, Fatima Abid Malih. (2022). The effect of mental speed drills on some visual abilities in shish weapon players. Modern Sport, 21(4). P:51 https://doi.org/10.54702/ms.2022.21.4.0051

12. Israa Jumaa Ali, Fatima Abid Malih. (2022). Administrative Skills and Their Role in Distinguishing the Institutional Performance of Directors of Sports Activity in Iraqi Universities. Modern Sport, 21(1). P:118 https://doi.org/10.54702/msj.2022.21.1.0117

13. Alyaa Mohammed Ali, Intisar Uaid. (2021). Attentional control and its relationship to the accuracy of some types of basketball shooting for Iraqi youth club's players. Modern Sport, 20(4). P:85 https://doi.org/10.54702/msj.2021.20.4.0085

السرعه الحركية للذراع المسلحة وعلاقتها ببعض مهارات سلاح الشيش للاعبات منتخب كلية التربية البدنية وعلوم الرياضة للبنات جامعة بغداد

زينب عادل عاشور[1]، اشراق غالب عودة[2]، مريم احمد ابو عليم[3]
2&1 جامعة بغداد / كلية التربية البدنية و علوم الرياضة للبنات
3 جامعة اليرموك / اربد - الاردن

مستخلص البحث

تعد رياضة المبارزة من الرياضات الأولمبية ذائعة الصيت في مجال الألعاب الفردية نظرا لما تتمتع به هذه الرياضة بالعديد من الصفات والقدرات سواء كانت بدنية او حركية ومن اجل ان تكون حركات المبارز على درجة كبيرة من التناسق والالية كان لابد لنا من تسليط الضوء على قدرات حركية أساسية تلعب دورا كبيرا في النازلات فكانت السرعة الحركية للذراع المسلحة والتي تستند بالدرجة الأساس على قدرة المبارز وإتقانه التنسيق ما بين الذراع المسلحة وضبط المسافة في أن واحد مع حركة القدمين الامامية والخلفية ودمجها في أطار واحد ما بين الذراع المسلحة وهدف المنافس لاحظ الباحثون ان رياضة المبارزة تتطلب قدرات عالية ومجهودات كبيرة يجب توافرها في المبارز لتمكنه من تحقيق الفوز على المنافس من خلال تمتع اللاعب بقدرات حركية تؤدى بتناسق واحد لتولد رؤية عالية وقدرة كبيرة على التركيز الدقيق على هدف المنافس ولكون مهارات سلاح الشيش هجومية والدفاعية تحتاج الى قدرة كبيرة وتنسيق للوصول الى الهدف بكل سهولة ويسر ارتأى الباحثون دراسة العلاقة ما بين السرعة الحركية للذراع المسلحة وبعض مهارات سلاح الشيش هدفت الدراسة الى التعرف على السرعة الحركية للذراع المسلحة لدى لاعبات منتخب كلية التربية البدنية وعلوم الرياضة للبنات جامعه بغداد والتعرف على بعض مهارات سلاح الشيش (الهجمة الدائرية، الهجمة الزمنية المضادة، الدفاع الافقي) لدى لاعبات المنتخب والتعرف على العلاقة بين السرعة الحركية للذراع المسلحة وبعض مهارات سلاح الشيش لدى لاعبات منتخب كلية التربية البدنية وعلوم الرياضة للبنات تم استخدام المنهج الوصفي وذألك لملائمته لموضوع البحث عينه البحث كانت لاعبات منتخب كلية التربية البدنية وعلوم الرياضة للبنات جامعه بغداد للموسم الرياضي (2022 /2023) والبالغ عددهم (10) لاعبة اما الاستنتاج ان هنالك علاقة ارتباط معنويه بين سرعه الاستجابة الحركية للذراع المسلحة وبعض مهارات سلاح الشيش (هجمه دائرية، هجمة زمنية مضادة، دفاع افقي) يوصي الباحثون الى بناء قاعدة أساسية من القدرات سواء كانت بدنية او حركية او مهارية

الكلمات المفتاحية | **سرعة الاستجابة الحركية للذراع المسلحة، مهارات سلاح الشيش**