

Indian Journal of Modern Research and Reviews

This Journal is a member of the '*Committee on Publication Ethics*'

Online ISSN: 2584-184X



Research Article

The Relationship of Motor Response Speed With Some Skills In Female Futsal Players

Dr. Raghad Ismail Khalil

DOI: <https://doi.org/10.5281/zenodo.11036720>

Abstract:

The research includes an introduction and its importance, and the problem of the research through providing the learner with verbal stimuli to develop the accuracy and speed of her motor response associated with the physical skill learning of some futsal skills, and through using specific tests for this skill and measuring the extent of unexpected motor responses similar to real-game situations and basic skills. The accuracy and speed of motor response are common phenomena in teaching motor skills, which is measured through accuracy and speed or both alternately. When training for accuracy, we stop training for speed because it will lose accuracy in performance that requires slowness, control, and regulation, and vice versa when training for speed, we stop training for accuracy. This phenomenon is referred to as the exchange of training between speed and accuracy.

Conclusions:

1. Female futsal players from the research sample are characterized by fast motor response.
2. There is a relationship between motor response speed and the skill of scoring.
3. There was no correlation between motor response speed and rolling.

Keywords: Motor response speed, Female futsal players.

1 Introduction

Futsal is one of the popular sports that has received the attention of sports experts in all its specializations. Due to the development of sciences and knowledge in many fields, especially the sports field, futsal has received significant attention from researchers, which has reflected on the development of playing styles, tactics, and rules that have added beauty to the players' performance and increased the excitement of the fans. The game of futsal is one of the modern developments of football; it is an old yet modern game - old in essence and form and modern in its independent style. Training football players is not limited to skill, despite its importance, as its improvement is linked to the improvement of physical, motor, and physiological characteristics of the player. The physical condition was a solid base that the technical performance relies on. Also, knowing the physiological responses of the body as they change and can be controlled through training loads helps improve the body's responses and adapt them. Therefore, discovering physiological characteristics accelerates success and achieves required levels with time and effort economy. In the field of selection, there must be criteria or predictive values that consider the player's body build in terms of height, weight, age, and limb length, as there is a relationship between body features and a high athletic level, and each sport or athletic activity requires physical traits to be considered during the selection of athletes for various games or activities.

Article History

- ISSN: 2584-184X
- Received: 06 Mar 2024
- Accepted: 15 Apr 2024
- Published: 22 Apr 2024
- MRR:2(4) Apr. 2024: 07-09
- ©2024, All Rights Reserved
- Peer Review Process: Yes
- Plagiarism Checked: Yes

Authors Details

Dr. Raghad Ismail Khalil

Lecturer, Department of Physical Education and Sports Sciences, College of Education for Girls, University of Kufa, Iraq

Corresponding Author

Dr. Raghad Ismail Khalil

Lecturer, Department of Physical Education and Sports Sciences, College of Education for Girls, University of Kufa, Iraq

Research Problem

Futsal has gained attention like no other sport on both official and popular levels. Specialists have made significant efforts to develop this game, where skill alone is no longer the sole determinant as it was over half a century ago. Instead, physical ability, including motor and physiological variables as well as body measurements, have become influential in the game's development. Thus, the researcher aims to highlight the effective role of the mental and skillful style through providing the learner with verbal stimuli to develop the accuracy and speed of her motor response associated with the physical skill learning of some futsal skills and through using specific tests for this skill and measuring the extent of unexpected motor responses similar to real-game situations and basic skills. The accuracy and speed of motor response are common phenomena in teaching motor skills, which is measured through accuracy and speed or both alternately. When training for accuracy, we stop training for speed because it will lose accuracy in performance that requires slowness, control, and regulation, and vice versa when training for speed, we stop training for accuracy.

Research Scope

Spatial Scope: Sports Field of the College of Education for Women, Department of Physical Education and Sports Science.

Temporal Scope: From January 15, 2023, to March 1, 2024.

Human Scope: Players from the female futsal team of the College of Education for Women Continuing the translation from the last segment:

Research Hypothesis

There is a correlation between motor response speed and some basic skills in futsal.

Research Areas

Spatial Field: College of Education for Women's sports field, Department of Physical Education and Sports Science.

Temporal Field: From January 15, 2023, to March 1, 2024.

Human Field: Female players from the College of Education for Women's team, Department of Physical Education and Sports Science at the University of Kufa.

2 RESEARCH METHODOLOGY

Research Method

The researcher used a descriptive methodology with a correlational style to suit the nature of the problem.

Research Population

The research population defined by the researcher consists of players from the College of Education for Women's team at the University of Kufa for the academic year 2023-2024, totaling ten players.

Research Tools Used

The researcher used the following research tools:

15 Indicators, 12 futsal balls, 2 whistles

Field Research Procedures

Determining the Tests

The researcher identified some basic physical and skill attributes through references and scientific sources, which were then used to determine the most important basic skills and included them in a questionnaire that was presented.

Tests Used: Motor response, Scoring, Rolling

Preliminary Study

This is a preliminary survey study conducted by the researcher on a different sample than the main research sample. The study took place from February 20, 2023, to February 25, 2024, in the sports hall or at the college. The purpose was to:

- Study the time taken for each movement, activity, or test.
- Assess the suitability of the tests for the research sample and study.
- Train the assistant team.

Main Experiment

The main experiment was conducted on Wednesday, March 9, 2024, at the college's field, where the skill tests and motor response tests were performed.

3 PRESENTATION AND DISCUSSION OF RESULTS

A table showing the mean and standard deviations of the variables under study:

Variables	Mean (M)	Standard Deviation (SD)
Motor Response Speed	1.890	0.00771
Rolling Skill	15.525	0.0393
Scoring Skill	25.327	5.870

The table above shows that the mean and standard deviations for the physical and skill tests of the variables under study were as follows: the mean motor response speed was 1.890, while the standard deviation was 0.00771. The means for rolling and scoring skills were 15.525 and 25.327, respectively, with standard deviations of 0.0393 and 5.870, respectively.

Analysis and Discussion of the Correlation Results between Motor Response Speed and the Skills of Rolling and Scoring:

Skills	Motor Response	Significance
Scoring	0.81	Significant
Rolling	0.56	Random

From the table above, it is evident that there is a relationship between the scoring skill and motor response speed, while no correlation exists between the rolling skill and motor response

speed. This is due to the physical performance requirements of the skills, as scoring skills require a high motor response speed from the player to perform the skill correctly and efficiently. This has been confirmed by many scientists in the field of sports training, stating "response time includes reaction time and movement time, which are necessary requirements that must be developed in players and most sports, including football. The shorter the response time, the better the player can act at the right time, especially in scoring skills that require a quick response to various play impacts."

4 CONCLUSIONS

1. Football players from the research sample are characterized by fast motor response.
2. There is a relationship between motor response speed and the skill of scoring.
3. There was no correlation between motor response speed and rolling.

REFERENCES

1. Mahbub W. Principles of Scientific Research and Its Methods. Dar Al-Manahij; 2005.
2. Salameh BA. Skill Preparation in Football. Riyadh: University Student's Library; 1987.
3. Hussein QH, Naseef AA. Sports Training Science. 2nd ed. Mosul: Dar Al-Kutub; 1987.
4. Iraq. Dr. Ibrahim bin Abdullah Al-Muhaisen's Library.
5. Ahmed AZ. Doubt and Tactics in Futsal. 1st ed. Baghdad: Dar Al-Kutub for Documents; 2005.
6. Al-Masalma AAR. Predictive Movement for Goalkeepers [Master's Thesis]. Baghdad University, College of Physical Education.

Creative Commons (CC) License
This article is an open access article distributed under the terms and conditions of the Creative Commons Attribution (CC BY 4.0) license. This license permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited.
How to Cite This Article
Dr. Raghad Ismail Khalil. The Relationship of Motor Response Speed With Some Skills In Female Futsal Players. Indian Journal of Modern Research and Reviews.2024;2(4):07-09.