

Physical Education and Sports Sciences - University of Diyala - 2020-2021 The title of the master's thesis: ((The Predictive Value of performing Front Hand Jump on the Vault in terms of the most Important Structural Indicators: Construction, Level of Ambition, and Physical Self among the Students of the Third Stage in Men's Artistic Gymnastics

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2019

The present study consisted of five chapters. The first chapter is an introduction that discussed the artistic and legal developments in gymnastics as well as the role of psychological variables and structural indicators that are regarded as a critical element in many sports games. The study aims at:

- Investigating the participation of performing front hand jump on the vault in terms of the most important structural indicators: construction, level of ambition, and physical self among the students of the third stage in men's artistic gymnastics.
- 2. 1. Identify the skill performance of the front hands jump and the most important indicators formative structural and level of ambition and physical self for the students of the third phase of the Gymnasic art for men
- 3. 2. Identify the relationship between the performance of the skill of the jump of the front hands on the jump platform and the most important structural indicators of structural and level of ambition and physical self for the students of the third stage of the Men's Artistic Gymnastics

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4. Deriving a predictive formula for performing front hand jump on the vault in terms of the most important structural indicators: construction, level of ambition, and physical self among the students of the third stage in men's artistic gymnastics.

Research areas:

Human Field: Students of the third stage of the Faculty of Physical Education and Sports Sciences - University of Diyala

The spatial sphere: Gymnasium Hall - Faculty of Physical Education and Sports Sciences - Diyala University

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Time domain: from 11/11/2018 to 8/6/2019

Section Two:

This section contains theoretical studies and similar studies. The researcher tackled the structural and structural indicators and their importance in the field of sports and the level of ambition and its concept and importance in the field of sports and factors affecting it and the concept of physical self and the jump of the front hands on the jumping platform and specifications of the jumping platform and technical elements of the method of performance and basics Movement assessment Similar studies have included a study (tahrer Ibrahim Ismail al-Nuaimi) and the study (Mnahel Abdel Hamid Dawood) and study (Mohammed Shafiq Salem al-Akam).

The third chapter included the study methodology and field procedures. The descriptive methodology was adopted on a sample of 60 students from the third stage in the University of Diyala College of Physical Education and Sport Science. **Physical Education and Sports Sciences - University of Diyala - 2020-2021** Section Four

The results of the predictive value of the performance of the forward jump on the jumping platform, as well as the statistical description of the variables through the extraction of the arithmetic mean, the mean, the standard deviation, the torsion coefficient, the correlation between the variables and the results of the correlation coefficient, the input ratio, the standard error of the estimation, Linear and static reduction and impact ratio and analysis, and then discuss these results.

The study concluded that:

1. There is a significant correlation between some structural indicators and the artistic performance of front hand jump on the vault which include: height, weight, and physique.

- 2. There is a rate of participation in some structural indicators and ambition to the skill performance.
- 3. The other variables of research (structural structural indicators) showed random links with the skill performance of the jump of the front hands on the jump platform (arm length, trunk length, lower limb length, chest circumference)
- 4. weak performance of the skill of the research sample in general led to the emergence of random links between some of the structural structural indicators with the jump of the front hands on the jumping platform.
- 5. Weak performance of the research sample in general led to a weak contribution ratio between physical self-measurement and skill performance.

Physical Education and Sports Sciences - University of Diyala - 2020-2021 The recommendations were

1 - The necessity of emphasizing the structural - structural indicators chosen for their importance in the skill performance in the game of the gymnastic.

2 - the need to develop the skill performance of students by increasing hours of learning.

3 - attention to the psychological aspects of its role in the great influence on the skillful performance of all games, including the game of Gemnastic.

4 - Conduct similar studies on the activities of the third stage and in the equipment approved in the curriculum.

5 - Emphasis on giving units to develop the strength of the arms and legs of the students using the tools of the game Gamnastic for its effective role in improving the performance of skills

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