Methodology for the identification of talents in the Olympic Wrestling of the Sports Federation of Azuay

Metodología para la identificación de talentos en la Lucha Olímpica de la Federación Deportiva del Azuay

Geovanny Gómez-Jiménez[1], Rubén Castillejo-Olán[2]

_____

[1]*Lic. Universidad Estatal de Milagro. Ecuador. ggomezj@unemi.edu.ec*
[2]*Doctor en Ciencias. Profesor Principal Agregado. Universidad de Guayaquil. Ecuador. ruben.castillejoo@ug.edu.ec*

_____

ABSTRACT

The objective of the present investigation is to elaborate a methodology for the identification of possible talents in the Olympic Wrestling of the Sports Federation of Azuay in Ecuador. In the course of the investigation, insufficient mechanisms and procedures were detected that support the procedures to identify possible talent. These with the evaluation of scientific methods such as analysis-synthesis, the historical-logical, interviews, document analysis, structural functional systemic that allowed the construction of the proposed methodology, allowed together with the characterization of the samples to provide approaches with indicators based on the fundamentals methodologies of the sporting process studied.

Keywords: Olympic Wrestling; Talent identification; Talent selection; Methodology

RESUMEN

La presente investigación tiene como objetivo la elaboración de una Metodología para la identificación de posibles talentos en la Lucha Olímpica de la Federación Deportiva de Azuay en Ecuador. En el cauce de la investigación se detectaron insuficientes mecanismos y procedimientos que sustentan los procederes para identificar el posible talento. Estos con la evaluación de métodos científicos como análisis y síntesis, el histórico lógico, entrevistas, análisis de documentos, sistémico funcional estructural que permitieron la construcción de la metodología propuesta, permitieron junto a la caracterización de las muestras aportar enfoques

_____

con indicadores sustentados en los fundamentos metodológicos del proceso deportivo estudiado.

Palabras clave: Lucha olímpica; Identificación de talentos; Selección de talentos; Metodología

INTRODUCTION

Advances in science and technology have marked structural and methodological changes in numerous sports in their training methods from an early age, in this case fighting sports stand out where body weight categories have been modified and readjusted in recent years. according to the demands of Olympic and world events. Correspondingly, the Olympic Wrestling constitutes one of the most universal and widespread sports manifestations in different societies, where cultural elements are connected, but behind its practice the preparation of man as a biopsychosocial being is explicitly revealed, since for its execution it is necessary cause changes in the body from the physical, biological and psychological point of view, which do not occur spontaneously, but require planning.

In this sense, taking into account numerous investigations of this cut and the review of programs that contribute to the sport of Olympic Wrestling, in this regard Sánchez and Lastres (2020) during the I Online Conference of Applied Sciences to High Performance and Cocar 2020, state "that today there are no talent selection models for tactical purposes (sports and combat games) in the world ", which makes it necessary to create a tool that facilitates the methodological process for the development of the selection model, according to the demands of the competition.

In the Cuban Journal of Biomedical Research, studies carried out in the Ecuadorian universities of Guayaquil, the National University of Chimborazo and the University of the Armed Forces ESPE are offered. From the biomechanical fundamentals of sports fighting, they approach how to develop the most effective structures of technical actions, which can be divided into actions of attacks, defenses and counterattacks. Wrestlers with good technical development often dominate opponents who surpass them in physical strength. (Gonzales, Rodríguez, Loaiza, Álava, Letamendi, and Romero, 2017, p.1), these arguments

_____

revealed important contributions on how to improve the identification of grassroots talent to achieve a transition through the pyramid of sport in Ecuador and achieve palpable results to the extent that the research exposes.

The identification of possible talents for the sport and the consequent methodology that is applied to be able to choose a possible Olympic-style wrestler who possesses the best conditions for the successful practice of certain scenarios, constitutes a subject of constant current in the world, for the importance of having, well in advance, a human material capable of exceeding sports performances.

Other authors such as Martínez and Carralero (2018) raise the need to establish a school sports reserve based on the application of strategic procedures in the selection of talents (p.118), framing the research in the process of the Physical Education class to through Participatory Sports at ages 10 and 11, prior to their incorporation into high performance.

In the sports team the term talent is frequently used, a very common word among educated and lay people. According to Pila (2000) the talent in the human being is all supra-normal or outstanding behavior in the manifestations of this as a social being, whether in art, culture, science or sport. Referring to this topic, and Zatsiorsky (1989) detail that sports talent is characterized by a certain combination of motor and psychological abilities, as well as anatomo-physiological aptitudes that create, as a whole, the potential possibility for the achievement of high sports results in a specific sport. Cited by (Romero, Bacallao, Chávez and Vaca, 2014, p.1)

More recent authors such as Romero and Becali (2014) describe that talent usually appears in "sports initiation. You can understand the process that a person (usually the child) goes through from their arrival at a school to competitive sports.

Romero and Jova (2009, 2015) establish several models that are used in sports selection and highlight the importance of mixing these models, to obtain a better development of this process, which implies a given learning and subsequent progressive training, aimed at improving and then perfect the different organic, functional, technical and tactical aspects necessary for optimal entry into the chosen sport. Cited by (Romero, Bacallao, Chávez and Vaca, 2014, p.1)

_____

The criterion set forth by Noa (2002) is assumed when he states that: "The progressive and increasingly demanding process of sports training raises as a priority task, to emphasize more on the quality of the selection process of children who start in the sport…". (p. 6).

The arguments presented up to now regarding the problematic situation of the present investigation made it possible to determine that the fundamental contradiction lies in the limitations presented by the current forms of identification that do not allow an adequate recruitment of talents in the Olympic grassroots struggle from of the selection profiles in accordance with current demands, detecting deficiencies that limit the development of the selection of talents in the Olympic Fight of the Sports Federation of Azuay, Ecuador. These deficiencies are given by:

The use of concepts from other combat sports, the conception of sufficient and adequate indicators, the direction of the identification processes towards the controls and evaluations that are carried out within the framework of technical and physical performance, insufficient indications to carry out the control and evaluation of talent in general, as well as the lack of methodologies accompanied by indicators that facilitate a better selection of talent.

The theoretical and methodological inconsistencies presented by the control mechanism of the talent identification models used in the sport of Olympic Wrestling in Ecuador, detected in the factual diagnosis carried out, allowed to reveal the scientific problem that originated this research to elaborate a Methodology for the identification of talents in the Olympic Fight of the Sports Federation of Azuay in accordance with the current demands of this sport.

METHODS

For the development of the research, we worked with all the athletes between the ages of 12 to 15 years who train in the "Fernando López Gómez" gym in the Ecuadorian province of Azuay.

In a first stage, the main trends and characteristics of the identification models were determined to identify talent in Wrestling at the base link. With this objective in mind, a study was carried out of the contents of the documents related to the

_____

process of identifying talent in Olympic Wrestling from the base and the aspects concerning the indicators to be taken into account for this process.

A comparative study was carried out between how to identify talent and the use of procedures for selecting talent, which allowed the determination and reorganization of the indicators by profiles, taking into account the characteristics of the ages and the current requirements of the proposed methodology. in the process of identifying talent in the Olympic fight from the base and to corroborate the level of practical functionality.

Coaches, methodologists and specialists of the Olympic Wrestling were interviewed to collect the criteria related to the conceptions and knowledge they have on the identification of possible talent.

A survey was applied to the young wrestlers to know the possible characteristics for their identification as talent. In addition, workshops on critical opinion and collective construction were held to socialize the contributions of the research, which served to enrich the foundation and structure of the same.

In a second stage, the information obtained was processed in order to determine characteristics, results, look for relationships between components and draw partial and final conclusions, in addition to establishing the internal links, the logical order and the main characteristics derived from the analysis of the phenomena. related to the process of identifying talent in Olympic fighting from the grassroots.

The methodology was elaborated from the logic or succession of the procedures to follow, as well as the determination of the recursion and the hierarchy of the system, the synergy between its components, its entropy, homeostasis and its autopoiesis, in a way that allows modeling and construction of the definitive system that provides a solution to the improvement of the methodology for identifying talent in the sport of Olympic Wrestling at the base link.

RESULTS

Fundamental features that characterize a methodology

According to authors such as Álvarez (1996), Bermúdez and Rodríguez (1996), de Armas (2011) and Lastres (2020) the methodology responds to an educational and sports theory and / or practice, is based on a theoretical body (categorical

framework, principles and premises), constitutes a process made up of stages that conclude in actions or procedures, which, arranged in a particular and flexible way, allow the achievement of the objective, as well as, have a flexible character, although it responds to a logical order.

Structure of the methodology for the identification of talents in the Olympic Fight of the Sports Federation of Azuay

According to what was proposed by the aforementioned authors, the methodology that is proposed for the identification of talents in the Olympic Fight of the Sports Federation of Azuay is structured in the following way, objective, characteristics, three stages and phases.

The first stage of diagnosis aims to comprehensively diagnose Olympic wrestlers between 12 and 15 years of age to know their physical and psychological state, after applying the instruments the information obtained is processed, the coaches are selected and methodologically prepared, based on of their roles and functions to make way for the second stage. This stage has three phases: diagnosis, structuring and awareness; and control.

The second stage is planning and organization, in which the methodology is modeled, the indicators are established and the organization is carried out, the levels of compliance are verified and suggestions and the necessary actions are considered to give way to the next stage. This stage has three phases: selection and configuration, design and control.

The third stage is where the methodology is applied, for this the regulations to be followed in each identification activity are oriented, the partial results delivered by the coaches, principals and those compiled by the Olympic Wrestling Federation are integrated, the levels of fulfillment of the proposed objectives. Suggestions and actions necessary for the next stage are considered and, according to the results obtained and summarized from the controls to the identification process, at each stage adjustments are made to improve the methodology. This stage has the following phases: orientation, control, inquiry and readjustment.

Methodological guide

No.	Workshops
1	Workshop on the diagnosis and self-diagnosis of the physical and psychological potentialities of coaches and wrestlers in the identification process.
2	Orientation workshop on planning the activities to be carried out in the talent identification process.
3	Awareness workshop on the roles and functions of coaches in the technical preparation process for jump shots in the category.
4	Methodological orientation workshop on the development and fulfillment of regulatory activities for the talent identification process, based on the roles and functions of the coaches.

Source: own elaboration

DISCUSSION

This research is distinguished by the elaboration of a methodology that reveals the internal and integrating relationships between the theoretical and categorical components of the distribution and interconnection of activities, an aspect that distinguishes it from others and that enrich the theory and methodology of Wrestling training Olympic Sports Federation of Azuay for the identification of talents.

Other elements that distinguish it are the indicators, aspects and characteristics for the identification of talent in the base link of the sport of Olympic Wrestling, the methodological indications for its operationalization and implementation that are proposed.

The analysis of the theoretical referents allowed to know the characteristics of the talent identification process in Olympic Wrestling, as well as the trends of the selection models used and their main irregularities, the importance and timeliness and determining indicators for their selection. Which from the diagnosis identifies the deficiencies that are presented from the theory in the process of identifying talent in the Olympic fight, from the base link, as well as the limitations revealed in the programs of the Wrestling Federation in Ecuador.

The consultation of several investigations related to the subject under study also allowed to clarify elements to take into account to carry out a good identification of

talents, such is the case of what is stated by Martínez and Carralero (2018) who address the need to select talents among 10 and 11 years through key procedures from Physical Education before joining high performance, this statement assumes elements that may be applicable to the sample used for this research.

For his part, Noa (2000) addresses the priority of emphasizing the quality of schoolchildren at the beginning of their sporting life, which implies that the selection of children with aptitudes for the satisfactory practice of sports, in this case the Olympic Wrestling, is a of the most important tasks in the sports training process, constituting one of the main investigative demands of this sport in the Sports Federation of Azuay.

Regarding talent, authors such as Zatsiorsky (1989), Pila (2000), Romero and Becali (2014) address essential elements of this concept and its characteristics in sport, elements that allowed to assume that talent is any manifestation above the average data population, in any sphere, be it art, sports, culture and many others.

From the analysis of the models proposed by Romero and Jova (2009, 2015) for sports selection in which they address progressive training aimed at improving and perfecting aspects necessary for optimal entry into the chosen sport, hence a child could be a possible talent in physical preparation or in mastering certain motor skills, however, the possession of one or another capacity does not necessarily indicate that one is in the presence of a talent for sports. Do not lose sight of the fact that this process entails a whole system of organizational measures.

The analysis of the theoretical-methodological foundations exposed on the General System Theory allowed to establish the structural bases between each one of the components of the proposed methodology for its better structuring and methodological treatment, providing indicators according to the characteristics of the wrestlers and those of the models previously used at these ages in the study.

The proposed methodology constitutes a daily work tool that allows coaches and specialists to improve the process of identifying talents in Olympic Wrestling at the base link based on the efficient control and evaluation of talent, as well as the objective recruitment of potential talents, attending to the needs of the team, the characteristics and functions.

_____

BIBLIOGRAPHIC REFERENCES

Gonzales, S., Rodríguez, A., Loaiza, L., Álava, G., Letamendi, C. y Romero, E. (2017). Fundamentos biomecánicos de la lucha deportiva. *Revista Cubana de Investigaciones Biomédicas 36 (3) 2017*.

Lastres, A. (2020). Deportes de combate hacia un modelo científico de selección de talentos. I Conferencia *Online* de Ciencias Aplicadas al Alto Rendimiento (Cocar 2020), La Habana, Cuba.

Martínez, Y. y Carralero, A. (2018). Estrategia en la selección de talentos en el deporte de atletismo en las edades de 10 y 11 años, previas a la entrada en la EIDE provincial. Según características demográficas y sociológicas. *Universidad y Ciencia Vol.7(2), abril-julio*. Recuperado a partir de http://revistas.unica.cu/index.php/uciencia/article/view/486

Noa, H. (2002). Estudio sobre la selección de talentos futbolísticos para la iniciación al deporte de Alto Rendimiento. Trabajo de grado, Doctorado en Ciencias de la Cultura Física, Instituto Superior de Cultura Física, La Habana, Cuba.

Romero, E., Bacallao, J., Vinueza, E., Chávez, E. y Vaca, M. (2014). Normas de detección masiva de posibles talentos deportivos en Ecuador. *EFDeportes.com, Revista Digital. Buenos Aires, Año 19, Nº 201. Recuperado de* https://www.efdeportes.com/efd201/deteccion-masiva-de-posibles-talentos-deportivos.htm

Romero, J. y Becali, E. A. (2014). *Metodología del Entrenamiento Deportivo. La Escuela* Cubana. La Habana: Editorial Deportes.

Sánchez, B. & Lastres, A. (2020). Deportes de combate hacia un modelo científico de selección de talentos. *1ra Conferencia Online de Ciencias aplicadas al Deporte de Alto Rendimiento COCAR2020*. Conferencia Magistral, La Habana.

_____