

CONTRIBUTION TO RELY ON FUNCTIONAL-MORPHOLOGY'S CHARACTERISTICS TO DETERMINE THE FEATURE PLAYERS VOLLEYBALL

(THE CASE OF SOME CLUBS THE FIRST SECTION AND THE SECOND PREMIER ALGERIA)

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ABSTRACT

The main objective of this study is to try to determine the feature players of volleyball using anthropometric measurements and their relationship to determine positions of some of the clubs are active in the first national section and the second, a case study (05) teams senior volleyball class, which formed the research sample of (30) player taking part in the first national section and the second , and the sample was selected randomly and the researcher used the descriptive and analytical approach. And the completion of our research we have distributed questionnaires, to see the value and importance of anthropometric measurements when these coaches, as we used anthropometric measurements of the players in the normal state and during the competition, and so for comparison between the two cases.

Keywords: Feature , morphology , Alontherubomtra , Play centers .

Introduction :

It has become an important to know the physical specifications physical (anthropometric) as the basis for the fundamental pillars that must be provided to access the individual athlete to the highest possible level, and on the other hand, the structural composition of the body plays a big role and a key to athletic performance, and begin importance of anthropometric measurements in that they are often used as a basis the success or failure of the specified activity, and this is confirmed by both the chlorine and other 1997 studies (étal & kolar), Bouchard and others (1993bouchard & étal), Nictycock (nikituk1989), where the length and limit it in the specification of the performance of the skill affects, and means that differences in bone lengths will affect the performance skills of individuals, either positive or negative.

The volleyball with widespread gaming , where in some countries to the rank of first collective game , in spite of the multiplicity of physical attributes and morphological specifications (anthropometric) , and the different positions , however, excel in that game depends on several conditions , where it is one of the sports that requiring primarily physical qualities.

Through this research we studied the importance of the feature players volleyball by morphological characteristics and their relationship to determine positions on the pitch .

And proven through scientific research and studies that each event special physical requirements that distinguish them from other events , and these requirements are reflected on the physical measurements that must be provided to practitioners , (Lamache. S,2002, P 56) to provide these measurements can give an athlete an opportunity Staab not greater skills and arts event or game.

Problem :

Is the body and scales installation and the relationship between the various positions in which the players present important and basic things that must rely on them to achieve advanced levels and achieve the level of excellence in this game.

And play measurements morphological important and complementary role to the rest of the physical and skill specifications , since each type of sports activity autosomal special specifications must be characterized by the athlete in order to be a good fit , because the physical measurements play an important and significant role in the motor

performance of the player 's success , where excellence in this based on the installation of adequate and appropriate over the position to perform the required work activity.

According to (Corroyer. B, 2013. P 75) provides the physical measurements (anthropometric) can give the athlete's largest Astab skills and arts Hits chance. He says , " a selection of human elements that have the components of success , and if the human and material potential of the components of success in this game , and if the material and human resources available , it will not work if you have not been through the human elements fit with the game requirements, and is promising it will be a waste of time and effort.

Since there is a difference between the players in terms of their measurements anthropometric , so the researcher saw the importance of a relationship that features players of volleyball using anthropometric measurements and determine Mrakizen on the pitch ?

- * Are there differences in features between the players and determine the positions on the pitch ?
- * Is there a correlation between the features of the players using anthropometric measurements and the identification centers in the stadium ?

The research hypotheses:

Main hypothesis:

Morphological characteristics of the typical athlete can have significant being the reference value in the diagnosis and prediction of mind, aims to evaluate the capabilities and possibilities of sports, as well as put it in its proper place in the stadium and the center befitting his features and physical abilities.

Partial hypotheses:

- * There are weaknesses in the physical preparation leading to the development of non-physical attributes or weakness in growth, leading to difficulty in determining the pitch centers.
- * there is a difference in the features of the players, especially when followed in the use of anthropometric measurements and therefore easier on the coach or who is in the selection centers to determine the necessary and appropriate for each player.
- * There are an integrated feature of the relationship between the players and the use of measurements to determine the positions on the pitch.

The importance of the study :

- highlight the important role played by anthropometric measurements in the selection process and identify centers .
- Highlight the relationship between the features of the players Bastamahin physical measurements and between centers Ischglnh .
- Highlight the importance of follow-up anthropometric measurements in the development of the features of the players .

Research objectives :

- Know the real role played by identifying morphological characteristics in improving the selection and activation play centers in volleyball.
- Clarify the need for integration between the morphological characteristics of the players who play positions Ischglnh .
- Highlight the importance of continuity in selection and control morphological evolution since the Minor categories because they are the broad base that feeds the senior companions category.
- Raising measure Algerian players to what is required in the global arena of competitive sport.
- Determining the typical specifications that must be met when the players to be able to achieve global levels , and to predict the possibility of continuing player in practice a high level of efficiency.
- Tadhah and the need to integrate the features of the players and centers Ischglnha on the pitch .

Define concepts:

Feature: (Andre dowart. P, 1990, P73), What emerges from the descriptions of the human face and the appearance of total qualifications, competencies and Albesikolojah features (to someone). Dictionnaire "encarta .dicos .2010" (you have a good feature or a good specification to run post) .

Alontherubomtra: Or what is known as physical measurements .aarafh "Matthews 1973" (Alontherubomtra aware that measure your body and its various parts, where he learned from this science in the study and development of human and identify the variables that occur to him in the figure). And he knows. " Miller 1994 "(he refers to the measurement of the architecture of physical and various ratio). and he knows," Nizar student Mahmoud Alsamaraia "(as the study of the human body and the standards here includes measurement of height, weight and size and the perimeter of the body as a whole and for

the different parts of the body). And he knows, (Andre dowart. P, 1990, P63), (is a branch of anthropology (Anthropology) which looks at the human body measurement). position (center): Upholstered in language (collection positions, what the person is doing the work, job, workplace) and knew him, (Corroyer. B, 2013. P 85), it (is a distribution of players on the pitch three fore and three succeeding and have their positions as follows: Center

According to the dictionary definition «Garier» is the science that studies human forms and include many factors and specific provider where the body structure of the skeleton for the body sizes are fitted with muscle and fat under the skin and are guaranteed by the glands of internal secretion and nervous system.

Previous studies:

That any scientific study should be launched and based on previous studies, both from the results or what we have reached from the results, and try to perform their findings through the introduction of new data or variables that will strengthen the research is performed. There are several studies on the subject of feature volleyball players using Almorvoozivih characteristics is that these studies did not address the whole Almorvoozivih characteristics but took part of this study. (1) the sender, center (2) player Ayman suite, center (3) heart attack, Centre (4) player left wing, center (5) defend Acer, center (6) the heart of the defense (the player free) .oicol "fivb2010" (There are no mistakes centers).

Morphology: By definition "lexical p. André Dowart, djacques bourneuf: ptit larousse de la medecine, 1990" (Vmoervolloggio mean studying the human shapes).

Among the studies we find a study in Egypt carried out by the "m. M. Harmony Amer Abdullah Agha" Some anthropometric relationship of the explosive force of the Supreme parties and Lower for Women's Basketball. Where used the descriptive approach, and sample search of students in Kirkuk University / College of Education / Department of physical Education, where he underwent sample testing field to measure the explosive power of the Supreme parties and bottom and some physical measurements and came out with a total of conclusions and is there is an inverse correlation between age and explosive power relationship of the upper extremities and the lower extremities, there is a direct correlation between the length of the body and the power relationship explosive Supreme parties and Lower and recommendations need to take physical measurements for when choosing soccer players and basketball on a regular basis.

And other Egyptian "Ali Fahmi pick and Yahya Mustafa 1983" study the comparative study of some of the anthropometric measurements among swimmers long distances

with high levels of 1977-1978 to 1982 "and research aims to determine the level of some morphological measurements when swimmers long distance champions in 1982. Then compared to measurements level morphological when swimmers Champions long distances contemporaries and peers from swimmers Aam1977-1978 Portal researchers had assumed that there were differences between the swimmers to international Aam1977-1978 and 1982 in some of the anthropometric measurements that relate to the element of speed in favor of swimmers in 1982, and search for physical measurements Besbahi long distances results contemporaries considered core competencies to achieve high levels of sports in the long distances.

In Algeria, a study carried out by "the light of Muammar 2013" on the identification of physical pattern of hostile African teams jurisdiction of short distances, the case of 12 African countries, the study of the senior class, where the research sample consisted of 53 runners, taking part in competitions of high level. Use way anthropometric and to determine the physical pattern of the sample and the method of determining the pattern of Heath Carter. o has shown results of the study valuable not too bad, and based on theoretical data which it was built, and compared to the results objects patterns athletes, world-class with high level .allantij you get by carter (1984) this study also showed a privilege runners Africans demonstrate the characteristics of the morphology of the physical qualifications Verma jurisdiction.

In the latter study it focused on status-oriented trainers and suggestions to help them in the selection and routing process.

Another study carried out in Algeria, "Qmana Hafeez 2002" on the identification of morphological destination for young Algerian football and is a descriptive study of the status of Minor (12-13 years) area of Algiers, where he formed a research sample of 100 players are active in three different levels. The aim of the study was to determine the morphological reach the destination list between players depending on the level of sports practice and play lines.

The results of the study made acceptable values when many morphological criteria and indicators, and that compared with those foreigners, who also made the statistical differences, given the levels of sports shows morphological heterogeneity of the younger players category and is already accessible similar to in «R-mathieu, 1989 studies. »

Research methodology :

Methodology:

In this study, we rely on the descriptive and analytical approach , which is consistent and the nature of the subject, which requires a fact-finding and information collected Portal known as the " N, Mohammad Omar , 1986" .

Descriptive approach that " portray the current situation and determine the relations that exist between phenomena and trends, as it is not just a description of what is so apparent that it includes a lot of investigation and knowledge of young people and causes.

Community or research sample:

For "d. Boudaoud. A right, Ahmad Atallah" sample intended, and is a collection of individuals taken from the original community unintended way, and does not circulate its findings until after the comparison and a study other. In this research, the researcher determine the research community, where an estimated 5 teams, and the research sample consists of six players from each band, and the study on them in the normal state and during the match, and so for comparison between the two cases.

Means adopted to gather information:

In order to deny or prove the hypotheses offered to problematic, so we require to choose the most effective way, and through the study and scrutiny, and this is by using the following tools:

- Analysis Albeblograve: The primary objective was to clarify visions and theoretical concepts inadvertently note as much as possible in all aspects of the research and scientific theory, whether or applied scientific.
- Alastpianih way: Before embarking on research we have conducted a preliminary survey threw to know the status of morphologic side with the Algerian volleyball coaches, and his method questionnaire directed towards particular niche factor Almorvoozivi determine positions Portal operations may researcher used a closed questionnaire, Open, where "be set of questions which closed require the respondent to choose the appropriate answer, and another set of open questions, and the respondent are free to answer "where he formulated 10 questions.

And to ascertain the veracity of the scale we have adopted the method of the sincerity of the arbitrators , where we presented the questionnaire on a group doctors and professors, and this is to assess the sincerity of the questionnaire in achieving the purpose for which it was placed , and the exclusion of some or combined so that came in their final form to become 10 Osilh.kma researcher relied on scoping study to assess the sincerity of the questionnaire, and based on what will refund is modified formulation of phrases or excluded or changed or combined so that we go out the questionnaire optimized.

Scientific observation : for " Mehdi Hassan Allawi , Mohamed Nasreddin Radwan 1987" Scientific observation is considered a means of data collection in the field of scientific research , where they help to reach the required knowledge of the facts , and are observed through accurate performance monitoring during the competition . Where the note used by the video , which was filmed by mobile phone of samsung E250 size as was filmed during the interview the players for their performance compared to the difference between Othoin during play and normal type of situation .

Test measurement method: include special devices points and measuring points Alontherubomtra and as well as the various accounts.

Statistical treatment:

* ***Descriptive treatment:** a give and to identify and calculate statistical measurements, where we can see the preliminary and approximate conclusions.

In our way we can do the analytical side, among them duplicates account. Percentages: Use percentages to analyze the results Act in all measurements obtained from physical measurements that have been used, and this after collecting occurrences of each of them, a way of calculating the percentage "way triple play".

* analytical treatment: we use this test to measure the significance of differences in the physical measurements of the players in the normal state and during the match and is "Ta" Stodint, standard deviation, the arithmetic average.

Results and analyzed and discussed:

First, physical measurements Scheduled : We give an example of " prepared for the player."

Table No. 01 : It represents frequencies and percentages own measurements of the player prepared in the normal state and during competitions.

	In normal case	During the COMPETITION
The total length of the body	+1.82	+2.38
Nbre	16	16
Participation	98%	78%
	+1.52	+1.63

The total length of the trunk and upper limbs					
Age		19.17±0.89			19.17±0.89
Length of the upper limbs		0.67±0.70			0.94±1.63
the average		*			***
Participation		13.36±1.19			14.29±1.26

Table No. 01.1 :T. Test Student

T. Test	T c	T t	%	DL	Sign
غير دال	2.20	2.06	0.05	20	***

Analysis: Note through a table (01) for measurements in the normal state for the body as a whole is that the proportion of 21% of the total measurement of the body , while its measurements to a ratio of 98% the total length of the body upgrading , while the upper limbs are the length of the trunk is by 78 %.

As for the table (1-1), we note the following: that the Ta calculated and we found a \$ 2.02 less than a \$ 2.06 Ta scheduled, at 20 degrees of freedom, and significance level of 0.05, thus showing us that there is a difference between these two measurements D (in the normal state and during the interviews) .

Second, view and discuss the provision of trainers questionnaire and compare them in light of the proposed hypotheses : Comparing the results of the first axis first partial hypothesis : which states that there is a weakness in the physical preparation leading to a lack of development of physical qualities, leading to difficulty in determining the

position on the pitch . Through analysis of the results of the first axis and the questionnaire, which is illustrated by the following table:

Table No. 02 : Represents frequencies and percentages, and the values of k 2 phrases first axis (first partial hypothesis) .

	Before the COMPETITION	After the COMPETITION
Morphological requirements	Yes:89% No: 11%	Yes:96% No: 04%
Nbre	16	16
Participation	100%	100%
Physical specifications and footwork	More than 83%	More than 97%
Age	19.17±0.89	19.17±0.89
Role of Length of the upper limbs (Rate)	0.67±0.70	0.94±1.63
the average	*	***
Participation	15.16±1.12	16.09±1.21

Note: In the words we take large proportions for the answers.

Analysis:

It is through the gateway (01): note that most of the coaches care about measurements Alontherbomitrih 100%, and as well as the value of (Ca 2) calculated (24) is greater than the value of

(Ca 2) Scheduled (5.99), and thus the presence of a statistically significant supports previous answer, which confirms that they care about measurements and they do all the sports season.

The ferry No. (02): note that most coaches believe that the most influential requirements in the pursuit of sporting excellence is the morphological requirements increased by 96%, and as well as the value of (Ca 2) Calculated (32.5) is greater than the value of (Ca 2) scheduled (18:31), and thus The presence of a statistically significant supports previous answer.

Table No. 03 : Represents frequencies and percentages, and the values of k 2 phrases second axis (second partial hypothesis) .

	Before the COMPETITION	After the COMPETITION
Physical side Nbre Participation	Yes:79% No: 21% 16 100%	Yes:88% No: 12% 16 100%
Besides the body move Age	More than 93% 19.17±0.89	More than 95% 19.17±0.89
The role of the harmony of the upper and lower counterparty (Rate)	0.88±0.50	0.97±1.01
the average Participation	*	***
	17.16±089	19.08±1.45

Note: In the words we take large proportions for the answers.

Analysis:

Through the gateway (03) : note that most coaches when doing the test both grounded in the physical side and then by 79%, and as well as the value of (Ca 2)

Calculated (24.5) is greater than the value of (Ca 2) scheduled (15:51) , and thus there is an indication statistical support the previous answer.

The ferry (04) : note that the coaches directing players to specialize in positions as potential physical and so by (95%) , and as well as the value of (Ca 2) calculated (14) is greater than the value of (Ca 2) Scheduled (5.99) , and thus the existence of statistically significant supports previous answer.

Suggestions:

- Provide future hypotheses that may be Mdilat solutions to problems and new and renewable at the difference.
- To reach the highest levels and international competitiveness and global and achieve results in the desired level on the coach and the player must be given to these measurements are of great importance as to be on the way to gain body worthy of the game and also acquire the physical specifications befitting with the global level.
- Must be on the coach and the selectors should bear in mind the importance of their program of physical measurements and work on the development of modern physical training, and this is because of the active role and the great importance they play, and taking international teams such as the Chinese team as a vivid example for lengths for their players .

Conclusion:

In recent methodological solutions that the team can reach to safety and make it achieve credible results and access levels insignificant and these solutions represented in pursuing the way calendar features players during the installation process using anthropometric measurements because of their scientific and standardized results, without giving importance physical means and possibilities, and even financial compensation, but rather must look to the future of the players and as well as the future of the team's first goal must be achieved no matter what the obstacles and difficulties faced by, any Atsvo spirits high to help them cope with these obstacles and overcome them, and trying to achieve the goal no matter what varied causes and factors that stand against them. And as well as looking at the future of volleyball in Algeria compared to other countries.

The bottom line Vtaatmhor about the importance of assigning the work of trainers to the scientific basis whatever the type of activity they are doing, so that there will be follow-up and technical control of this business working on tuned and corrected, was also able to predict the results of the players and team alike, and as well as giving the

importance of scientific side, which is a pillar of the strong for all aspects, without exception, even characterized by their transparency and clarity, and to achieve accurate results without doubts and surprises and the lifting of scientific employment measurements anthropometric in our country level in order to reach a global level and the advancement of the sport of volleyball and activate Sports other.

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