ISSN 0976-0377

RNI. MAHMUL02805/2010/33461

International Registered & Recognized Research Journal Related To Higher Education for all Subjects



(Refereed & Peer Reviewed Research Journal)

Year -VIII, Issue - XVI, Vol.- I Impact Factor 4.55

July 2017 To Dec 2017

INTERLINK RESEARCH **ANALYSIS**

Editor In Chief Dr. Balaji Kamble



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कबड्डी खेळाडु यांच्या विकासासाठी शारीरिक क्षमता व शारीरिक घटक यांचे महत्व

महेश आर. पाटील

शारीरिक शिक्षण संचालक, अप्पासाहेब र. भा. गरुड महाविद्यालय, शेंदुर्णी, जि. जळगाव (महाराष्ट्र) भारत

Research Paper - Physical Education

गोषवारा

कबड्डी हा मुळातच महाराष्ट्रातला खेळ आहे तसेच हा खेळ ग्रामीण भागात अतिशय लोकप्रिय असून आज कबङ्डी ला अंतराष्ट्रीय दर्जा सुघ्दा प्राप्त झाला आहे. कबङ्डी हा खेळ विशेषतः दक्षिण अशिया खंडात विशेष आवडीने खेळला जातो. कबड्डी हा खेळ भारतात तिन प्रकारे खेळला जातो तो पुढील प्रमाणे संजिवनी, गामीनी व अमर. तसेच या खेळात शारीरिक क्षमता व शारीरिक घटक याना विशेष महत्व आहे. शारीरिक क्षमता हा शब्दप्रयोग Physical Fitness या अर्थाने वापरतात.शारीरिक क्षमता असलेला खेळाडू आपले सर्व दैनदिनः कार्यध न थकता उत्साहाने पार पडतो.त्या मुळे आपले जीवध्न इतरा पेंक्षासुखाध्जगतो शारीरिक क्षमते वरोवर बौद्धिक क्षमता दैखील विकसित होते.थोडक्यात आत्मनिर्भता नष्ट होऊन परावलंबीतत्वा मध्ये वाढ होते.

प्रस्तावना

कवड्डी या खेळाने अत्याधुनिक स्तर गाठलेला आहे कवडीचा उगम महाराष्ट्रात झालेला आहे. कवड्डी हा मुलत: खेळ आहे, महाराष्ट्रातील खेळाडूंची शारीरिक क्षमता व शारीरिक घटक उत्तम दर्जाची असू शकते परंतु आरोगयविषयक जागृती या खेळाडुमध्ये कितपत आहे हे जाणुन घेणे सुध्दा अतिशय महत्वाचे ठरू शक्ते आरोग्याविषयक जागृतीचा संबंध येतो. शारीरिक क्षमता हि मानवासाठी इंजिनचे (फाइन टयुनिंग)आहे. शारीरिक क्षमतेचा विकास म्हणजे शरीरातील सर्व इंद्रियांचा विकास असून एखाद्या कामाचा थकवा न येता तो चांगल्या पधतीने कार्य करणे.शारीरिक क्षमतेणे फुप्पुस व हृदय अधिक कार्यक्षम होतात. रक्तभिसरण अधिक व्यवस्थित होते व्यायाम करणा-या व्यक्तीची हृदयाची क्षमता दर मिधिटाला १० ते ११ लिटर रक्तपुरवठा करण्याची असते तर खेळाडुच्या ह्रदयाची क्षमता २० ते २२ लिटर रक्तपुरवठा करण्याची असते.

शारीरिक क्षमताचे घटक

- रुधिराभिसरण व श्वसन (cardio-Respiratory capacity) अधिकाधिक काम मनुष्य करतो परिश्रमधने हा घटक सुधारता येतो.
- लवचिकपणा (Flexibillity)-सांध्यांची हालचाल मर्यादित झाली असता ते दुखू लागतात ₹. लवचिकपणाने हा त्रास कमी होतो.
- ताकद (Strenght)- स्नायूंचा आकार व घाटदारपना अधिक तेवढी ताकद अधिक असे ₹. नाही तर एखाद्या कामास एकाच वेळी माणूस जास्तीत जास्त किती जोर लाऊ शकतो त्यावरून ठरते.
- चिवटपणा (Enduration)-विशिष्ट तरने स्नायूंची हालचाल होत राहते. चिवटपणा म्हणजे 8. ताकद नव्हे तर दहा हजार बैठका काढणारा हजार जोर काढेल असे नाही.
- श्वसन (Respiration)- श्वसध्नाची कार्यक्षमता "स्पाग्रोमिटर" नामक उपकरणान मोजतात 4. या उपकरणात पाण्याध्ने भरलेले भांडे असते. त्याचा मध्याभागी नळी असते व या भांड्यात एक भांडे उपडे करून ठेवतात व्यक्ती प्रदीर्घ श्वास घेऊन नाक वंद करून तोंडाने या भांड्यात सोडतो त्यावर लिटरच्या खुणा असतात.
- रुधीराभिसरध- यांची कार्यक्षमता मोजण्यासाठी Treadmill वापरतात ٤.
- लवचिकपणा (Flexibillity)-लवचिकपणा संध्यापुरता मर्यादित असतात त्या साठी विविध उपकरण वापरतात.
- चिवटपणा (Endurance)-स्नायूंच्या आकुंचनाचा वेग होय जेवढे वजन कमी कामाचावेग ۷. तेवढे मार्क दिले जातील उदा. वजन, सिंगलबार, डबलबार
- ताकद (Strenght)-ताकदीचे Isometric स्थिर व Isotonic चल हे दोन प्रकार आहेत. ۹. त्या साठी जागेवर उडया मारणे व त्यांचे मोजमाप करणे व स्थिरताकदीसाठीध नमस्कार पद्धतीने दोन्ही हात पंजेवर दाबदेणे इलेक्ट्रिकच्या सहय्यने मोजमाप घेणे व चल साठी स्प्रिंगचा उपयोग करतात.

शारीरिक कौशल्य

खेळाडुची चपळाई फुफुसातील क्षमता (Cardiovuscular capacity), स्थायूना समन्वय (coordination), प्रतिक्रियात्मक वेळ तसचे इतर शारिरिक क्षमता विषयक घटकांची आवश्यकतः

6-0377

करणे.शारीरिक त होते च्यायाम **करण्याची** असते

क काम मनुष्य

दुख् लागतात

द अधिक असे लाक शकतो

टपणा म्हणजे

गन मोजतात या मांड्यात तोंडाने या

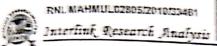
गठी विविध

कामाचावेग

ार आहेत. नमस्कार

वल साठी

समन्वय वस्यकतः





इतम आक्रमक खेळांडुमध्ये असणे फारच गरजेची असते. ह्या सर्वे बटकाटा विवार बतन शारीरिक क्षमता घटकांचा व कबङ्डी खेळातील गुण निष्पादनाचा काटना काट कहेतरी सक वेतो. यामध्ये शारीरिक संरचना व शरीराची ठेवण, शारीरिक मत विक्न याच कही न कही संबंध खेळाच्या कौशल्य निष्पादन कार्यामध्ये अतिशय महत्त्वाच्या असतो. चमळता, अतिक्रियानस्ट वेळ, ताळमेळ संतुलन, बी.एम. आय., स्तयायुंची सुब्दता-(co-profrection), तालिटिश्चलाटश्), गती शक्ती (Power), चपळाई (Agility), बेग (Speed), प्रतिक्रिया-कळ स्थिश्यांका Time)ह कौशल्य आहेत.

शरीराच्या क्षमतेच्या घटकाचे स्वरुप व साधना

शारिरीक क्षमतेच्या घटकात रुधिरामिसरण व श्वसन वाना विशेष महत्व अहे मार्घ्य शरीरात तिन प्रकारचे स्नायु असतात १ ऐक्किक २ अनुएक्किक ३ इद्याचे सर्वे असेंसत इद्याचे स्नायू भक्कम असतात. प्राँढ माणसाचे हृदयाचे दर मिनिटाला 🕫 वेळा आकृष्ट व प्रसत्य प्रवर्त एका तासात ४००० वेळा व चेवीस तासात एकलक व वर्षत चलकोटीवळ हे किया हते. रुधिराभिसरण क्षमतेचा विचार म्हणजे हृदय व सक्तवाहिन्यांचा विचार होय. हि क्षमता मिळ्ळाप्यासाळी १ योग्यआहार २ योग्यव्यायाम ३ योग्यवजन ४ योग्यसक्यी ५काटकपण इनिर्वसनिपण ७ मर्नास्व शांतता ह्या गोष्टी आवश्यक आहे. रुविरामिसरण व श्वसन यांची झस्त एक्सेकाव्ह अवस्थुन अश अंतर्गत अवयवांशि संबंधित आहे.पण ताकद, चिवटपणा, लवचिकपण यांचा स्वतंत्र विवट कता येतो. तरुणकुमार हयांनी जुन १९८२ मध्ये फुटबँल आणि हाँकी खेळाडूच्या शर्तीतिक सम्ततः तुलनात्मक अध्ययन केले. वर्धमान विश्वविद्यालयांच्या दोन्ही संघाचे १५-१५ खेळाडूचे परसण केले. खेळांडुचे वय हे २० वर्षच होते. ऑफर युध फिटनेसचा उपयोग केला गेल होता. ज्यात हॉळांच्या खेळाडुंचे पूल अप्स चांगले होते आणि फुटबॉलच्या खेळाडूंचे ५० यह हेंन चांगली होती व नज़ेंद्र प्रकाश यांनी मार्च १९८४ मध्ये फुटबॉल आणि क्रिकेट खेळाडूची शरीरिक समतेचे गुल्मात्म्य अध्ययन केले.

मावनात्मक जीवन व शारीरिक क्षमता

नाटके, सिनेमा, कथा, कादंबऱ्या यत मत्वधनतिसेकेने मामसास इद्या विकलाण इद्या येतो. प्रत्यक्ष हे किती बेळेस होते हे सांगता केत नाही पण मक्नांचा व शरीलक्षणस्त्र संबंध उसती सर्व माणसाला हे सर्गिक यादते गण मय, क्रोध व कम या मायना त्याने उनेक्यर उन्हार्येक्ट आहेत.भावनात्मक जीवन व शरीराचा जयळ्या संबंध आहे.त्यासाठी जीवनावन वेवल्य व संबंध भावना मज्जासंस्था आजार, चिंता, या शारीरिक झनता पोळरणान्य मजना मातिक परिस्थिती फार निागडीत असतात. न्हणून भावधात्मक जीवन विघडले असता शरीतिक इन्तंपत त्यापा विपरीत परीणाम होतो.त्याकर रूपाय म्हणून "सायकोसोन्याटिकमेडितिन" निर्माण झर्ले अहे.

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परंतु त्यापेक्षा त्यांच्या कडे जाण्या पेक्षा व्यायाम आसन,प्राणायाम, श्वसन, ध्यान इत्यादी स्नायूशिथील करण्याचा प्रयोग करून बघावा त्याधे शारीरिक व मानसिक आरोग्यावर चांगला परिणाम होतो. आहार झोप व्यायाम व भाव-नात्मकजीवन महत्वाचे आहे. स्कोरिंग:-

थकव्याचा सुचकांक काढण्याकरीता पहिल्या तीन सरासरी नोंदींना शेवटच्या तीन सरासरीने भागायचे यावरुन साधारणा ७५ टक्के ते ९५ टक्के थकण्याचा इन्डेक्स कळतो. या थकण्याच्या सुचकांकाचे मानक खालीलप्रमाणे अतिशय उत्कृष्ट >८९ टक्के चांगला ८५ टक्के ते ८९ टक्के सरासरी ८० टक्के ते ८४ टक्के व अतिशय कमी <८० टक्के

निष्कर्ष

शरीर संपदेचा विचार करतांध्ना कोणकोणत्या विषयाचा विचार करावा हा विचार शास्त्रज्ञ कोणत्या प्रकारे करतात व त्याचे मुख्य निष्कर्ष काय आहेत. या बाबत शास्रीय दृष्टिकोनातून प्रयत्न केले आहे. क्रीडापटू तयार करणे हा स्वतंत्र विषय आहे. कोण्या खेळास कोणत्या पद्धतीने शिक्षण द्यावे हा भेद आहे पणं सर्व सामाध्य व्यक्तीस शारीरिक क्षमता कमीत कमी वेळात अशी मिळावी हा उद्देश आहे.शारिरीक क्षमतध घटक आत्मसात होतात असे प्रतिदिपादन केले आहे. शारीरिक क्षमता मिळविण्यासाठी काही गोष्टी आत्मसात करणे गरजेचे आहे.माणसाचे हालचालीचे अभ्यास करणेसाठी एक स्वतंत्र शास्त्राचा विषय आहे.त्याला "ह्यूमनकायनेटिक" म्हणतात व पायासाठी "पोडोस्कोप" म्हणतात. भारतात अमेरिकेसारखे "व्हेटरन ट्राक व फिल्ड" सारख्या स्पर्धा घ्यावा त्याने निच्छित ४०-४५ व ४५-५० या वयोगटाच्या लोकांचे क्षमता ठरविली जाते.

संदर्भ सूची :-

- शरीर संपदा के. पी. भागवत ٩.
- क्रीडा वैद्यकीयशास्त्र डॉ. अधंत केतकरे ₹.
- ओलम्पिक शिक्षा तथा अभियाघ अजमेरसिंग ₹.
- गजेंद्रप्रकाश,(१९८४), फुटबॉल आणि क्रिकेट खेळाडुंच्या शारीरिक क्षमतेची तुलना, अप्रकाशीत 8. शोध प्रंबध, एल.एन.सी.पी.ई., ग्वालीयर
- तरुणकुमार, (१९८२), फुटबॉल आणि हॉकी खेळाडूंची शारीरिक क्षमतेची तुलनात्मकअध्ययन 4.
- ब्चर सि.ए.,(१९८३), फाउंडेशन ऑफ फिजीकल एज्युकेशन ॲन्ड स्पोटर्स,प्रथम
- बॅरो,हॅरोल्ड एम.,(१९८३) मॅन ॲन्ड मृव्हमेंट- प्रिनसीपल्स ऑफ फिजीकल एज्युकेशन 19.
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anuary 2017 to June 2017

olume 16 No.



ISSN 0975-7732

ASIAN JOURNAL OF PHYSICAL EDUCATION & COMPUTER SCIENCE IN SPORTS

A Peer Reviewed (Refereed)
International Research Journal



UGC APPROVED JOURNAL

(Sr. 5855)

Journal Impact Factor 3.441 Index Journal of











Published by : Indian Federation of Computer Science in Sports www.ifcss.in

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Visual Reaction Time of Youth and Senior Kabaddi Players

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Society's College of Physical Education Jalgaon

Abstract

The purpose of the study was to predict the players of Kabaddi game from psychological variable like *Reaction* Time among State level Senior and Junior Group of players. A pilot study was conducted total 50 male Kabaddi players were selected in two categories were approached through coaches and managers of the teams participating in the above mentioned tournaments. Result:- T_{cell} value > T_{table} = 1.66 at 98 DF 0.05 Level of Significance 62.71>1.66which means that Senior kabaddi players differs in the RT compared to the Youth players and Youth players will be good in RT as compares to Senior Players. Conclusion with the help of graphical representation and statistical operations it could be concluded that Visual Reaction Time of Youth and Senior Kabaddi Players was normal but Youth kabaddi players were much more quicker than Senior Kabaddi Players in Visual Reaction Time. Key words RT reaction time DF degrees of freedom.

Introduction

Kabaddi is fundamentally an Indian route game, which necessitate equally talent and command, and unite the distinctiveness of wrestling and rugby. Kabaddi is appropriately recognized as the "GAME OF THE MASSES" In India. Owing to attractiveness, simplicity of Kabaddi, easy to understanding of rules, and public appeal it is well popularized. The game entitle for no complicated utensils what so ever, which makes it a very popular sport in the developing countries like India. Though it is fundamentally an outdoor sport played on mud court, of overdue the game is being played on synthetic surface indoors with great success. The duration of the game is 45 minutes for men &junior boys with a 5 minute break in between for the teams to change sides (20-5-20). In the case of women & sub junior boys, the duration is 35 minutes with a 5 minute break in between (15-5-15).

Kabaddi is a confrontational team game, played with absolutely no apparatus, in a rectangular court, either out doors or indoors with seven players on the ground in each side

The sport has a long history dating back to pre-historic times. It was probably invented toward off group attacks by individuals and vice versa. The game was very popular in the southern part of Asia played in its different forms under different names. The Mahabharata has made an analogy of the game to surround on all sides of Abhimanyu by the enemy i.e. "Chakravyuvya".

FORMS OF KABADDI:-AMAR; GEMINI; SANJEEVANI;

Statement of the Problem:- The purpose of the study was to predict the players of Kabaddi game from psychological variable like Reaction Time among State level Senior and Junior Group of players.

Hypothesis:- It was hypothesized that senior players of Kabaddi might be predicted from psychological factor like Reaction Time among State level players.

Significance of the Study

This study will help the physical education teachers and coaches to design a specific program to identify the Talents, which are closely associated with the better Kabaddi performance.

Study will reveal the influence of physiological characteristics like Reaction Time on the overall playing ability of Kabaddi players. This result might be utilized as a screening instruments in analyzing and classification the Kabaddi players.

The result of this study will help the young budding researchers to take up similar studies in other areas and disciplines.

Delimitations

The study was confined to the following aspects,

This study was confined to only male inter district Kabaddi players from Maharashtra State, India.

The subjects for the present study have been delimited to the 100 State level Kabaddi players only which include 50 seniors and 50 junior players.

The age of the subjects ranged from 17 years and onwards.

The study was delimited to the Reaction Time as independent variables.

- 1. The variation in playing experience among players due to the participation in tournaments will be considered as
- a limitation of the study. 2. Similarly the playing ability difference due to their participation in the coaching program, if any, will also be added to the limitations.
- 3. Certain factors like food habits, life style, climatic condition, and other environmental factors could not be controlled which may influence the results and hence they may be considered as one of the limitations of the study.
- 4. The students were from different social culture and economic status which was considered as a limitation, for this study.
- 5. The response of the subjects to the statements in the Reaction Time test would depend upon various factors such as understanding of the test, seriousness and sincerity of the subjects.
- 6 .No specific motivational techniques were used to encourage the subjects to attain their maximum performance during testing.

The plates selected in two categories were approached through coaches and managers of the teams participating in the above mentioned tournaments.

Online Reaction Time Test

RED LIGHT - GREEN LIGHT Reaction Time Test. Instructions: Click the large button on the right to begin. Wait for the stoplight to turn green. When the stoplight turns green click the same large button continue the test up to five trials follow the same procedure every time. After completion of five turns the average RT will be noted. Lastly click on the large button "Done" where the test was finished.

Table I:- Visual Reaction Time of Youth and Senior Kabaddi Players

	e I:- Visual Reaction Time of Youth and Senior Ka	Youth Visual Reaction Time	T cal
Sr	Visual Reaction TimeSenior		
		0.214	62.71
1	Average 0.233	0.214	
	2- 09 for	1.66	
3	T _{table} value ∞; N ₁ + N ₂ - 2 = 50+ 50 - 2= 98 for	1.00	
	98DF T _{table} = 1.66at 0.05 1.66		
	Level of Significance		

T_{cal} value > T_{table} = 1.66at 98DF 0.05 Level of Significance 62.7l>1 .66Senior kabaddi players might have the same RT as the Youth players.

Alternative Hypothesis: (H₁):-Senior kabaddi players might differs in the RT compared to the Youth players and Youth players might be good in RT as compares to Senior Players.

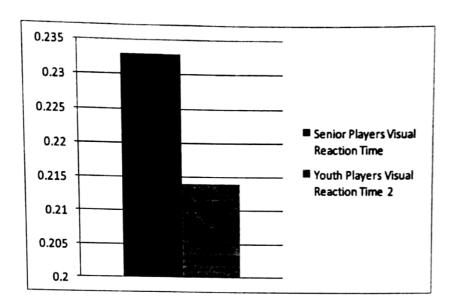
ie. M₁-M₂≠ 0 or M₁-M₂>0

T_{cal} value > T_{table} = 1.66at 98DF 0.05 Level of Significance 62.7I>I .66

Null hypothesis rejected. As null hypothesis is false means alternative hypothesis accepted. T_{cal} value > T_{table} = 1.66at 98 DF 0.05 Level of Significance 62.7I>I.66, Youth players might be good in RT as compares to Senior

Result:- T_{cal} value > T_{table} = 1.66 at 98 DF 0.05 Level of Significance 62.7l>1.66which means that Senior kabaddi players differs in the RT compared to the Youth players and Youth players will be good in RT as compares to

Graph:- Average Visual Reaction Time of Youth and Senior kabaddi Players



Above graph clearly indicates that Visual Reaction Time of Youth and Senior Kabaddi Players. The graph shows Visual Reaction Time of Youth kabaddi players were comparatively good to their Senior Kabaddi Players. No doubt both Youth and Senior Kabaddi Players had normal Visual Reaction Time as per the norms of Visual Reaction Time. Visual Reaction Time of Youth was .0214 and Senior Kabaddi Players was 0.233, the difference between these two counterparts was found to be 0.0190 which is negligible.

Conclusion

With the help of graphical representation and statistical operations it could be concluded that Visual Reaction Time of Youth and Senior Kabaddi Players was normal but Youth kabaddi players were much more quicker than Senior Kabaddi Players in Visual Reaction Time.

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International Journal of Health, Physical Education & Computer Science in Sports UGC APPROVED JOURNAL

A Pear Reviewed (Referced)
International Research Journal

Published by : Indian Federation of Computer Science in Sports www.ijhpecss.org & www.ifcss.in

Publication Impact Factor I2OR 3.565
ISRA Journal Impact Factor 3.579
Index Journal of











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International Journal of Health, Physical Education and Computer Science in Sports Journal Impact Factor 3.565(UGC Approved Journal) A Peer Reviewed (Refereed) International Research Journal

Sprint Fatigue Index of Youth and senior Kabaddi Players

Mahesh R.Patil Appa Saheb R.B.Garud Arts, Commerce, Science college Shendumi Tal, Jamnder Dist Jalgaon and Dr.Narayan Shankar Khadke Sadguru Education Society College of Physical Education, Jalgoan

The purpose of the study was to predict the players of kabaddi game from physiological variable tike speed and fatigue index pilot study was conducted. Total 100 player selected in two categories were approached through coaches and managers of the team participating in the above mentioned tournaments. Scoring: The fatigue index is calculated by taking the average time of the first three trials and dividing it by the average time of the last three trials. This will give a value approximately between 75 and 95 % with the help of Graphical representation and statistical operation it could be conducted that Fatigue Index of Youth and Senior Kabaddi players was excellent but senior kabaddi player were much more sustainable than youth Kabaddi Players in sprint Fatigue Index.

Kabaddi is basically an outdoor team game, played in the tropical countries of Asia. This indigenous game of India was adopted by other countries in Asia viz. Pakistan, Nepal, Bhutan, Bangladesh Sri lanka, Maldives, Malaysia recently by Japan and china. The excitement and thrill provided by the game has made it very popular and kabaddi is rightly called the 'Game of the masses', since spectators totally involve themselves and give the player a great deal of encouragement. The game requires no equipment whatsoever, and the rules of the game are very easy to comprehend. This is the reason for the popularity of the game in rural areas. Since rural youth in India can ill - afford sophisticated equipment demanded other sport. The game demands agility muscular co-ordination, breath holding capacity, quick response and a great deal of presence of Mind. Kabaddi was probably invented to develop responses by an individual against group attack and a group's response to an individual attack (15 - 5 - 15) kabaddi is a confrontational team game, played with absolutely no apparatus, in a rectangular court, either outdoor or indoor with seven players on the ground in each side

The sport has a long history dating back to Pre- historic time. It was probably invented to ward of group Attack by individuals and vice versa. The game was very popular in the southern part of Asia played in its different forms under different names. The Maharashtra has made and analogy of the game to surround all sites of Abhimanyu by the enemy .ie "Chakravyuyya"

Forms Of Kabaddi: Amar, Gemini, Sanjeevani

Statement of problem-The purpose of the study was to predict the player of kabaddi game from physiological variable fatigue index among state level senior and junior group of player Hypothesis- It was hypothesis that senior player of Kabaddi might better than youth player predicted from physiological variable like figure index among state level Kabaddi player

Significant of the study-This study will help the physical education teachers and coaches to design a specific program to identify the talents which are closely associated with the better Kabaddi performance.

Study will reveal the influence of physiological characteristic like fatigue index on the overall playing ability of kabaddi player.

This result might be utilized as screening instruments in analyzing and classification the Kabaddi Players.

The result of this study will help the young budding researchers to take up similar studies in other areas and discipline

Delimitation

The study was confined it to the following aspects,

This study was confined to only male inter district Kabaddi Players from Maharashtra state, India. The subject for the present study have been delimited to the 100 state level Kabaddi Players only which include 50 seniors and 50 junior players.

The age of the subject ranged from 17 years and onwards.

The study was delimited to the fatigue index as independent variables.

Limitations

The variation in plane experience among players due to the fatigue index participation in tournament will be considered as limitations of the study.

Similarly the playing ability difference due to their Fatigue index in the coaching program if any will also be added to the limitations.

Fatigue index is influenced by the factor like food, habits, lifestyle, dimatic condition and other environmental factors could not be controlled which may influence the result and hence they may be considered as one of the limitations of the study.

The students were from different social culture and economical status which was considered as limitations for the study.

The response of the subject to the statement in the Fatigue index test would depend upon various factors such as understanding of the test and seriousness and sincerity of the subjects. No specific motivational techniques were used to encourage the subject to attend their maximum performance during testing

Methodology

A pilot study was conducted. The players selected in two categories were approached through coaches and managers of the teams participating in the above mentioned tourcament Sprint fatigue test

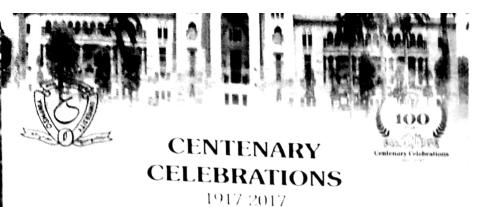
Marker cones and lines are placed 30 M apart to indicate the sprint distance. Two more cons are place a further 10 meter along on each ends. At the instructions of the timer the subject places there foot at the starting line, then on 'go' two stopwatches are started simultaneously, and the subject sprints maximally for 30m, ensuring that they do not slow down before reaching the finish line. One stopwatch is used to time the sprint; the other continues to run. Record is to be taken for the time of the first sprint. The subject uses the 10 meter cone to slow down and turn. And return to the 30m finishing point, which then becomes the next start line. The next sprint will be in the opposite direction. Each 30m sprint start 30 seconds after the previous run started. This cycle continuous until 10 sprints is completed. Starting at 30 sec,1 min, 1.5 min,2 min etc. Afters the start of the first sprint.

Scoring: The Fatigue index is calculated by taking the average time of the first three trials and dividing it by the average time of the last three trails. This will give a value approximately between 75 and 95%

Table 1:- fatigue Index of youth and senior Kabaddi Plavers

Sr	Fatigue Index Senior	Youth Fatigue Index	T Scal
2	Average 89.41	86.99	31.58
3	T table value ∞; N₁+N₂-2=50+50-2=98 for 98DF Ttable=1.66at 0.05	1.66	
	Level of Significance		

Teal value> T table = 1.66at 98DF 0.05 Level of Significance 31.58>1.66



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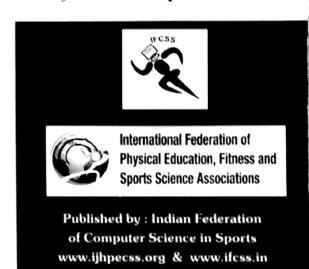
International Journal of Health, Physical Education & Computer Science in Sports

UGC APPROVED JOURNAL

PROCEEDINGS OF THE

INTERNATIONAL
CONFERENCE ON
PHYSICAL EDUCATION,
FITNESS AND
SPORTS SCIENCE 2017

Volume - 27 No. 2 QUARTERLY July 2017 to September 2017



A Peer Reviewed (Refereed) international Research Journal Organized by: Department of Physical Education, Osmania University, Hyderabad, T.S. India

Publication Impact Factor I2OR 3.565
ISRA Journal Impact Factor 3.579
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Importance Of Sports Training

Watesh & Patt Director of Physical Education, A.R.S. Ganud Arts Commence & Science College Shendumi Tal Jamner Dis Jagash (WS) Abstract

Sports can be a great way to get in shape or stay that way making a specific goal can be a great Motivetor. Physically you near strangth and andulance. Your training will wary with your sport. You would not train the same way for true rauthing as for swimming. You might frowever cross train. Cross training simply means that you include a range of fitness activities in your program. Research shows that cross training builds stronger sones. When beginning a program of exercise on must work first on nearl endurance sending endurance their progress to their areas. However before seginning any program out athele and non-athlele should have a checkup, exercise illness in which case medical advice may be sought children will not pamage a healthy heart by evenuse when they are lived they stop Introduction

Sport training our scientifically base and pertagogical organises process which through planted systematic effect on performance ability and performance really fine am at sports perfection and performance improvement as well as the sontest in soon competition. Training is the process of preparation for some lask sport training is a peragropical process based on scientific principles aiming at preparing sportsman for higher performance in sport competition? Training does not make a person musicles form. Who, is an stosenived expression but assembly it returns to those who train for codybuilding incredible physical dimension only occur with wealth deliberately set out to Hypertmony the size of various muscles. Normal exercise programs do not have their effect. In fact by reducing fat around the musice and improving musices

Aims of sports training-

Sports training AIMS at improving the performance of sports person the sport performance depend on several factor like constitution, condition, rectinique / co-ordination, tactics and personality

Methodology -

Training mean are various physical exercises and other object, method and procedure which are used for the improvement maintenance performance capacity and performance rediness. Any material which can be used to achieve the art called

Training Method	Training Effect
Prepay means of training physical exercise General exercise . Special exercise competition exercise	Physical fitness technical skill tactical, efficiency physics factor and relaxation
Additional Method Training	
Pedagogical Means Demonstration Explanation Verbal Instruction Task of observation study Lectures discussion	Wovement concept feedback knowledge method abilities achieve participation interest motivation personality
Medical and Physiotherapeutic	
Nutrition Massage Hygienic measurer Physic therapy, Biochemistry	Healthy recovery and relaxation prevention prominfection Renabilitation judgment of load recovery assessment of training effect
Physiological Method	
Ideo motor training . Autogenous training . Psycho-tonic theory	Technical skill technical efficiency recovery relaxation behavior control removal of psychic preparation
Bio-mechanical	

1.0	Technical skill assessment feedback figuring
1. Cinematography	Technical Skill aspect of sport moment
2. Measuring devices	Technical skill assessment to bio-mechanical aspect of sport moment
ivatural	w registance against infection and
Light, air, water, Weather condition	
Attitude	disease physical fitness

Result-

For getting best possible result planning is essential in all activities, planning is the process of meaning and possible result planning is essential in all activities, planning is the process of meaning and possible result planning is essential in all activities, planning is the process of meaning and modifying a plan. Planning is an important method to ensure continuously development of development of personality and sports performance in the age of high performance

Discussion-Training is complex scientific process it effectiveness depends upon several factor. The discussed here are mainly for use of coaches of sport teachers

Preparation of the sportsman for the main competition is a very important part of the total preparation of the sport man. Physiological preparation aim at enabling the spot Man 2 participate in the competition with an optimum physic state. It process thought other minor like discussion psycho- regulative procedure. Numerous types of fitness training exercises and regimens can improve Performance in sports. The correct combination of activities should builder the fitness. builder the fitness components that are" key to high performance in each specific sport. Short bursts of speed for basketball tap different energy systems than long, sustained marathon running, so the exercises and other variables must be manipulateds to fit either type of training. Reference:

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