

Vol 4 Issue 9 June 2015

ISSN No : 2249-894X

*Monthly Multidisciplinary
Research Journal*

*Review Of
Research Journal*

Chief Editors

Ashok Yakkaldevi
A R Burla College, India

Flávio de São Pedro Filho
Federal University of Rondonia, Brazil

Ecaterina Patrascu
Spiru Haret University, Bucharest

Kamani Perera
Regional Centre For Strategic Studies,
Sri Lanka

Welcome to Review Of Research

RNI MAHMUL/2011/38595

ISSN No.2249-894X

Review Of Research Journal is a multidisciplinary research journal, published monthly in English, Hindi & Marathi Language. All research papers submitted to the journal will be double - blind peer reviewed referred by members of the editorial Board readers will include investigator in universities, research institutes government and industry with research interest in the general subjects.

Advisory Board

Flávio de São Pedro Filho Federal University of Rondonia, Brazil	Delia Serbescu Spiru Haret University, Bucharest, Romania	Mabel Miao Center for China and Globalization, China
Kamani Perera Regional Centre For Strategic Studies, Sri Lanka	Xiaohua Yang University of San Francisco, San Francisco	Ruth Wolf University Walla, Israel
Ecaterina Patrascu Spiru Haret University, Bucharest	Karina Xavier Massachusetts Institute of Technology (MIT), USA	Jie Hao University of Sydney, Australia
Fabricio Moraes de Almeida Federal University of Rondonia, Brazil	May Hongmei Gao Kennesaw State University, USA	Pei-Shan Kao Andrea University of Essex, United Kingdom
Anna Maria Constantinovici AL. I. Cuza University, Romania	Marc Fetscherin Rollins College, USA	Loredana Bosca Spiru Haret University, Romania
Romona Mihaila Spiru Haret University, Romania	Liu Chen Beijing Foreign Studies University, China	Ilie Pinte Spiru Haret University, Romania
Mahdi Moharrampour Islamic Azad University buinzahra Branch, Qazvin, Iran	Nimita Khanna Director, Isara Institute of Management, New Delhi	Govind P. Shinde Bharati Vidyapeeth School of Distance Education Center, Navi Mumbai
Titus Pop PhD, Partium Christian University, Oradea, Romania	Salve R. N. Department of Sociology, Shivaji University, Kolhapur	Sonal Singh Vikram University, Ujjain
J. K. VIJAYAKUMAR King Abdullah University of Science & Technology, Saudi Arabia.	P. Malyadri Government Degree College, Tandur, A.P.	Jayashree Patil-Dake MBA Department of Badruka College Commerce and Arts Post Graduate Centre (BCCAPGC), Kachiguda, Hyderabad
George - Calin SERITAN Postdoctoral Researcher Faculty of Philosophy and Socio-Political Sciences Al. I. Cuza University, Iasi	S. D. Sindkhedkar PSGVP Mandal's Arts, Science and Commerce College, Shahada [M.S.]	Maj. Dr. S. Bakhtiar Choudhary Director, Hyderabad AP India.
REZA KAFIPOUR Shiraz University of Medical Sciences Shiraz, Iran	Anurag Misra DBS College, Kanpur	AR. SARAVANAKUMARALAGAPPA UNIVERSITY, KARAIKUDI, TN
Rajendra Shendge Director, B.C.U.D. Solapur University, Solapur	C. D. Balaji Panimalar Engineering College, Chennai	V.MAHALAKSHMI Dean, Panimalar Engineering College
	Bhavana vivek patole PhD, Elphinstone college mumbai-32	S.KANNAN Ph.D , Annamalai University
	Awadhesh Kumar Shirotriya Secretary, Play India Play (Trust), Meerut (U.P.)	Kanwar Dinesh Singh Dept.English, Government Postgraduate College , solan

More.....

Address:-Ashok Yakkaldevi 258/34, Raviwar Peth, Solapur - 413 005 Maharashtra, India
Cell : 9595 359 435, Ph No: 02172372010 Email: ayisrj@yahoo.in Website: www.ror.isrj.org

International Recognized Double-Blind Peer Reviewed Multidisciplinary Research Journal

Review Of Research

ISSN 2249-894X

Volume - 4 | Issue - 9 | June - 2015

Impact Factor :3.1402(UIF)

Available online at www.ror.isrj.org

"A STUDY ON MOTOR QUALITIES AMONG INDIGENOUS AND WESTERN GAME"



Vibharani M. Nivargi

Research Scholar, Dos In Physical Education And Sports Sciences , Karnataka State Women University, Vijayapur.

Short Profile

Vibharani M. Nivargi is a Research Scholar at Department of Physical Education And Sports Sciences in Karnataka State Women University, Vijayapur.

Co - Author Details :

N.Chandrappa Chiarman

Dos In Physical Education And Sports Sciences , Karnataka State Women University, Vijayapur.



ABSTRACT:

Back ground: Study on motor qualities among indigenous and western game.

The study was to find out the comparative study on agility and leg strength between indigenous and western game of Karnataka state women university. This particular study was taken 18 to 28 years subjects from inter university kabaddi team and women cricket

team of Karnataka state women university.

I have selected women kabaddi and cricket players to study motor qualities of agility and leg strength. In this study 't' ratio was used to determine women kabaddi and cricket players motor qualities. It was used to determine any significant difference among the independent variables. This particular study was shown that the selected independent variables such as agility and leg strength have significant difference. Hence this particular study revealed that there was significant difference among indigenous and western game in particular to motor qualities.

KEYWORDS

Motor qualities, indigenous, western game.

Article Indexed in :

DOAJ	Google Scholar	DRJI
BASE	EBSCO	Open J-Gate

INTRODUCTION

KABADDI:

Kabaddi is a contact sport that originated in ancient India. Kabaddi is an umbrella term which encompasses various forms of the game including the international kabaddi and the indian kabaddi styles sanjeevani, geminee, amar and Punjabi. It is also known as haddudu in Bangladesh, baibalaa in Maldives, chedugudu in Andhra Pradesh, sadugudu in Tamil Nadu and Hu Tutu in Maharashtra. India is the most successful team on the world stage, having won every world cup and Asian Games title so far, in both men and women categories.

CRICKET:

Cricket is a field game played by both men and women. Basically it was started in England. In this game totally 15 players will be selected for one team and 11 players will play in the field. For this game motor qualities like agility and leg strength. For bowling, batting and fielding it's very important to have physical qualities and motor qualities.

Nowadays Cricket is so famous in international level. In India it was like religion. One statement given that if "Cricket is religion Tendulkar is god". So this statement revealed that the craze for cricket in India. The vast majority plays the game primarily in their home. For the development of the game the player should have Physical, motor qualities and proper skill training.

AGILITY:

Agility is a motor fitness variable, according to Barrow and Rojmary (1973) Physical ability enables an individual to rapidly change body position and direction in a precise time. Agility is the ability of the body or parts of the body to change direction rapidly and accurately.

LEG STRENGTH:

Leg strength improves foot speed and stabilizes the ankle during high velocity running, lowering the risk of injury. The two most important factors for success in the sprinters are strength potential and mechanics potential. According to Hokinson (1993) the goal of any strength training for sprinters should be to improve the intramuscularly coordination and inter muscular coordination.

METHODOLOGY :

SELECTION OF THE SUBJECTS:

To achieve the purpose of this study 15 kabaddi and 15 cricket players were taken. These players were selected from Karnataka State Women University, Inter University players. And whole the team went under two tests.

Article Indexed in :

DOAJ	Google Scholar	DRJI
BASE	EBSCO	Open J-Gate

SELECTION OF THE VARIABLES:

The researcher reviewed the available scientific literature pertaining to the problem under study from books, journals, magazines, and research paper and also taking into consideration of the feasibility criteria of the availability were selected.

1. Agility 2. Leg strength

SELECTION OF THE TESTS:

Basic concern of this particular study is to compare the Agility and Leg strength among indigenous and western game of Karnataka state women university. As per the available literature the following Standardized tests were used to collect the relevant data on the selected variables and they were presented table I.

**TABLE I
SELECTION OF THE TESTS**

VARIABLES	NAME OF THE TEST	Unit of measurement
Agility	Shuttle run	In seconds
Leg strength	Leg dynamometer	In seconds/seconds

RESULT AND STATISTICAL TECHNIQUES

The collected data was examined with static procedure. To compare agility and leg strength among indigenous and western game of Karnataka state Women University. In this study 't' ratio was used to determine women kabaddi and cricket players motor qualities. It was used to determine any significant difference among the independent variables. According to Clarke the t ratio is the ratio for the difference between mean and standard error of difference. In all the cases to test the significance at 0.05 level of confidence was used.

**TABLE II
THE 'T' RATIO FOR KABADDI AND CRICKET PLAYERS ON AGILITY**

VARIABLES	Game	Mean	Standard deviation	Mean difference	't' ratio
Agility	Kabaddi	77.8153	67.6466	67.164	15.7427*
	cricket	10.6513	2.8422		

* significance at 0.05 level, df=N-2; 30-2=28 is 2.056

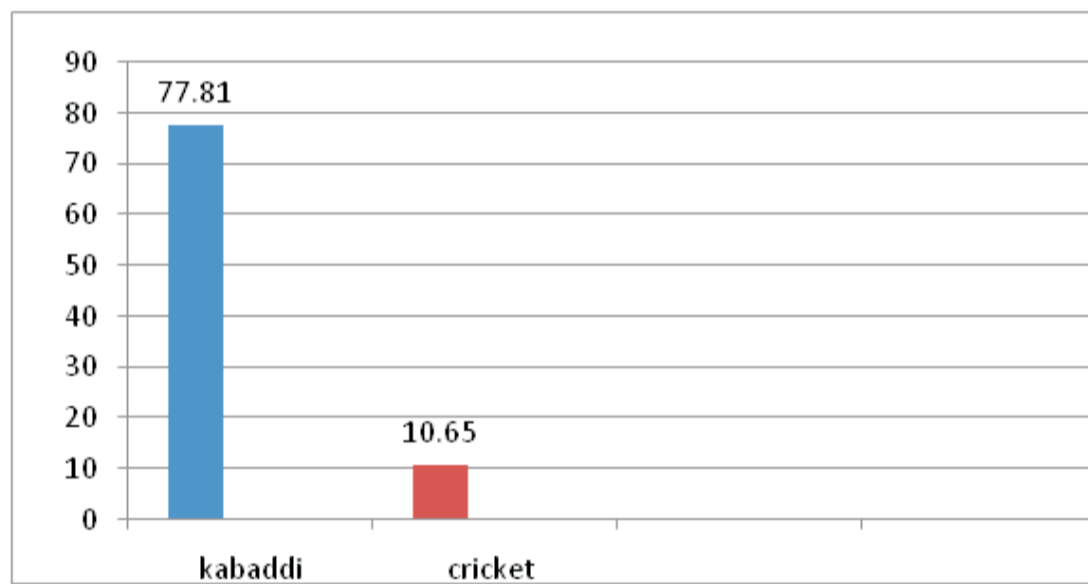
Article Indexed in :

DOAJ Google Scholar DRJI
BASE EBSCO Open J-Gate

RESULTS OF AGILITY

Table II indicates the mean value of kabaddi and cricket players, which are 77.81 and 10.65 respectively. The obtained t value 15.7427 and the table value is 2.05 at 0.05 level of confidence. Since the obtained t value is higher than the table value it is concluded that there was a significant difference between the kabaddi and cricket players on agility. So it indicates that cricket players are more agile than the kabaddi players.

Figure –I The mean scores of agility for kabaddi and cricket players



**TABLE II
THE 'T' RATIO FOR KABADDI AND CRICKET PLAYERS ON STRENGTH**

VARIABLES	Game	Mean	Standard deviation	Mean difference	't' ratio
STRENGTH	Kabaddi	41.5333	5.0049	8.4666	5.3224*
	Cricket	33.0667	3.5854		

* significance at 0.05 level, df=N-2; 30-2=28 is 2.056

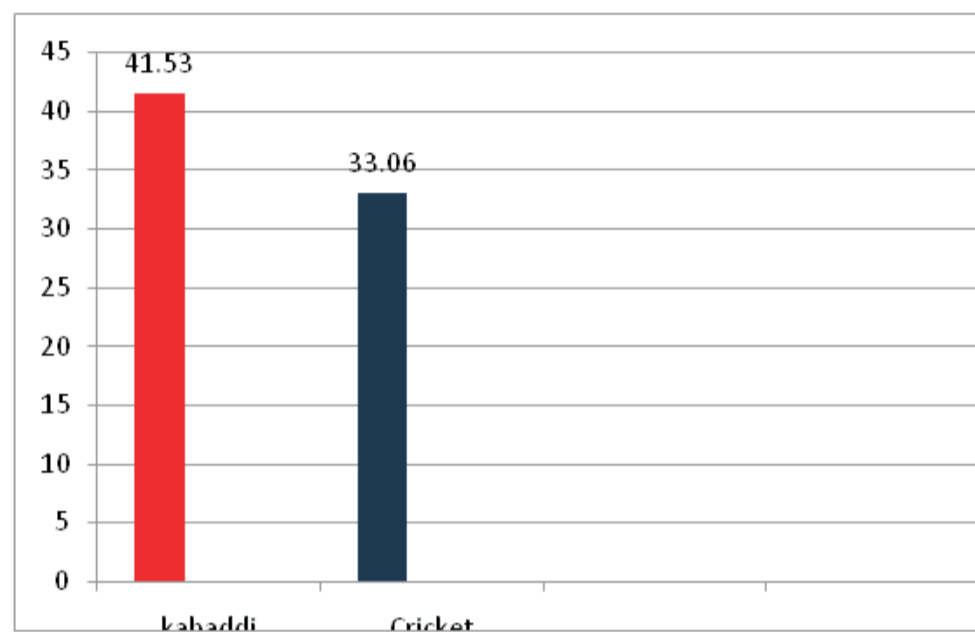
RESULTS OF STRENGTH

Table II indicates the mean value of kabaddi and cricket players, which are 41.5333 and 33.0667 respectively. The obtained t value 5.3224 and the table value is 2.05 at 0.05 level of confidence. Since the obtained t value is higher than the table value it is concluded that there was a significant difference between the kabaddi and cricket players on leg strength. So it indicates that cricket players are more agile than the kabaddi players. So it indicates that Kabaddi players have more leg strength than the cricket players.

Article Indexed in :

DOAJ Google Scholar DRJI
BASE EBSCO Open J-Gate

Figure –II
The mean scores of leg strength for kabaddi and cricket players



DISCUSSION ON FINDINGS

The findings of the study indicate that cricket players are having the more agility than kabaddi players. Being the cricket Players they should have more agility, being it is moving in the fielding who involve in the game of development skill performance.

1. The cricket players are having more agility.
2. The Kabaddi players are having more leg strength.
3. The result of this study revealed that there is Significant difference between indigenous and western game in agility and leg strength.

CONCLUSION

The following conclusion were drawn based on the study

1. There was significant difference between cricket and kabaddi players in agility.
2. There was significant difference between cricket and kabaddi players in leg strength.

REFERENCE

1. Anatomy and Physiology for elders (Page 174-182)-Missouri
2. Psychomotor Domains (page 183-194)-Robert Singer N

Article Indexed in :

DOAJ Google Scholar DRJI
BASE EBSCO Open J-Gate

"A STUDY ON MOTOR QUALITIES AMONG INDIGENOUS AND WESTERN GAME"

3. Basic Physiology (page 108-110)-Springer overlog
4. Practical Measurement of Sportsman (page 36-52)-Edward fox
5. Sports Training and for Young athletes (88-112)-Jackson Gorden
6. Psychological Testing Processor (Page 15-22)-Chrstian Barth
7. The test of Anthropometric measurements (page 14-44)-Mcradle William
8. Annual Review of sportsman of particular events (page 56-62)
9. Aggression and its impact on sportsman (page 25-29)-Thirumalaiswamy
10. Basic of Sports Psychology (page 58-64)-MaaturianDesoza
11. Understanding Psychological effects on Group games-Weinbeing Robert

Article Indexed in :

DOAJ	Google Scholar	DRJI
BASE	EBSCO	Open J-Gate

Publish Research Article International Level Multidisciplinary Research Journal For All Subjects

Dear Sir/Mam,

We invite unpublished Research Paper, Summary of Research Project, Theses, Books and Books Review for publication, you will be pleased to know that our journals are

Associated and Indexed, India

- ★ Directory Of Research Journal Indexing
- ★ International Scientific Journal Consortium Scientific
- ★ OPEN J-GATE

Associated and Indexed, USA

- DOAJ
- EBSCO
- Crossref DOI
- Index Copernicus
- Publication Index
- Academic Journal Database
- Contemporary Research Index
- Academic Paper Database
- Digital Journals Database
- Current Index to Scholarly Journals
- Elite Scientific Journal Archive
- Directory Of Academic Resources
- Scholar Journal Index
- Recent Science Index
- Scientific Resources Database

Review Of Research Journal
258/34 Raviwar Peth Solapur-413005, Maharashtra
Contact-9595359435
E-Mail-ayisrj@yahoo.in/ayisrj2011@gmail.com
Website : www.ror.isrj.org