



International Journal of Multidisciplinary Research and Development



IJMIRD 2014; 1(6): 42-44
www.allsubjectjournal.com
Received: 09-10-2014
Accepted: 30-10-2014
e-ISSN: 2349-4182
p-ISSN: 2349-5979
Impact Factor: 3.762

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Comparison status of strength and speed between badminton and lawn-tennis female players

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Abstract

The purpose of the study was to compare the physical fitness variable of Badminton and Lawn-tennis Female Players. To fulfil the objective of the study, (30 Badminton female players and 30 Lawn-Tennis female players) girls were selected from Panipat District of Haryana State who was attending national camps. The data were collected in different coaching camps. The age of the selected subjects ranged from 18 to 28 years. (Standing Board Jump and 60 yard dash tests) were used to measure the selected physical fitness variables of the players. In order to analyze the data t-test was used to analyze the data and investigator observed the significant difference between Badminton and Lawn-tennis Female Players of different selected physical fitness variables.

Keywords: Badminton, Lawn-Tennis, Strength, Speed.

1. Introduction

Physical fitness of a player depends on the nature of his game and also external conditions. There are a number of fitness elements that need to be developed. Such as speed, endurance, agility and strength to correct and maintain tenancy of body weight. Badminton and lawn-tennis both are almost similar games. A complete Badminton player should possess that agility of an acrobat, the power of a race horse, the killer instinct of a panther as well as like a Lawn-tennis player. Some of the standards the fit player attain to meet the demands of the games are strength, power, speed etc. fitness components. Court and field games like Badminton, lawn-tennis, Table-Tennis, Kabaddi Squash, Football, Volleyball help in developing strength and speed of the players while other games like boxing, gymnastic, wrestling etc. developing agility and power of its players better.

2. Methodology

The purpose of the study was to compare strength and speed variables between Badminton and Lawn-tennis Female players. To achieve the desired objective of the study, the only those players were selected from Haryana state who were attending national camps. Only Panipat District Female players were selected for the study. Only two physical fitness variables were tested to collect the data by using of two physical fitness tests i.e. (standing board jump) and (60 yard dash run) test. T-test was used to compare these variables of Badminton and lawn-tennis Female Players. The age of the selected subject ranged from 18 to 28 years.

3. Purpose of the Study

Comparison Status of Strength and Speed between Badminton and Lawn-Tennis Female Players

4. Result and Discussion

Table 1: Comparison of Strength of Badminton and Lawn-tennis Female Players

Game	N	Mean	SD	SED	t-value
Badminton(F)	30	6.33	0.58	0.03	0.65
LawnTennis(F)	30	6.15	0.52		

Significant at 0.05 level

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As shown in table-1 that the Mean score of standing Board jump of Badminton and Lawn-Tennis Female Players were 6.33 and 6.15 Respectively and SD of standing board jump of Badminton/Lawn-Tennis Female players were 0.58 and

0.52 and 't' value was 0.65 for significant 0.05 level. It means that Badminton Female Players have better in Explosive strength of legs than the Lawn-Tennis Female Players.

Graph 1: Graphical Presentation of Explosive Strength Test between Badminton and Lawn-Tennis Female Players.

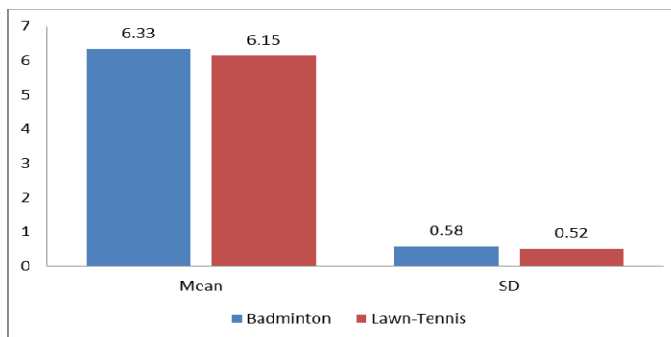


Table 2: Comparison of Speed Test between Badminton and Lawn-Tennis Female Players

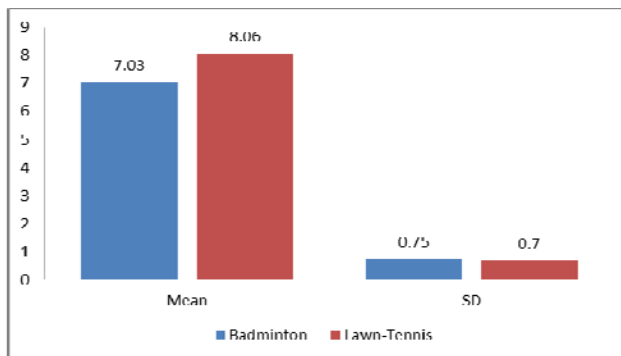
Game	N	Mean	SD	SED	t
Badminton	30	7.03	0.75	0.02	0.74
Lawn-Tennis	30	8.06	0.70		

Significant at 0.05 level

As shown in table-2 the mean score at 60 yard dash test of Badminton and Lawn-tennis were 7.03 and 8.06 respectively and SD of 60 yard Dash of Badminton and Lawn-tennis player were 0.75 and 0.70 and 't' value was 0.74 significant

at 0.05 level. It means that Badminton Female Players have much better in 60 yard dash test of speed as compare to Lawn-Tennis Female Players.

Graph 2: Graphical Presentation of Speed Test between Badminton and Lawn-Tennis Female Players



5. Conclusion

It is evident from the study that Badminton female players having more strength and speed than the Lawn-tennis female players. Badminton Female Players performed better than the Lawn-Tennis Female Players.

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