

Investigation of Talent Development Environment of International and National Badminton Players

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Abstract

The purpose of the study was to investigate the talent development environment among International and National Badminton Players, to achieve this purpose 15 International players from other country, 15 Indian players and 15 Senior National players of India were selected as the subject. International and Indian Badminton Players were selected from Super Series held on 1 to 6 April 2014 at Delhi and Senior National Badminton Players were selected from Senior National Tournament held on 16 to 23 December at Delhi. The data was collected on talent development environment during the tournament. It was hypothesized that there is no significant difference in Talent Development Environment of International and National Badminton Players. In order to assess the talent development environment descriptive statistics was used after obtaining results from the standard questionnaire. Questionnaire having seven factors i.e. Long term development focus (factor A), Quality preparation (factor B), Communication (factor C), Understanding the athlete (factor D), Supportive network (factor E), Challenging and supportive environment (factor F) and Long term development fundamentals (factor G). One way analysis was applied on the obtained scores of talent development environment and it's also applied in their seven factors. The result showed that there was no significance difference between International and National Badminton players at .05 level of significance with 42 degree of freedom.

KEYWORDS: Environment, Talent Development, Badminton Player.

INTRODUCTION

As sporting challenge at the elite level becomes ever harder, maximizing effectiveness of the talent development pathway is crucial. There is an increasing interest in optimizing the talent pathway in sports. Perhaps the most “simplistic” philosophy is a focus on identification, spending time testing and searching for special talent in an attempt to find that needle in a haystack. Understanding effective processes is particularly important within the context of talent development because it can be such a long-term investment. From beginning to end, a successful system may take a number of years to produce winners at an elite level. It is important to recognize that an effective monitoring tool (such as the Talent Development Environment Questionnaire) would best be designed for application to “excellence environments” with athlete who has certain attributes, as opposed to athletes within a certain age range per se.

Research consistently has identified psychological determinants of sporting performance. Many researchers consider psychological factors to be the main

determinants of individuals' potential in sport in terms of the development of skills, a continuing commitment to training and competing and consistent high performance and need to be incorporated into talent detection/identification models.

The current system of developing badminton players is extremely varied amongst the provinces and the multitude of clubs/practice groups. Coaches and parents have a variety of philosophies when it comes to the optimum way to develop athletes. It is quite common for the emphasis to be on outcome (winning) as opposed to process (skill development). Our success on the international scene has been limited at best. There are many problems that can arise from not having a development plan that does not consider child or adolescent development. Some of these are as follows:

- Under-training and over-competing.
- Imposing adult training programs on children.
- Imposing adult competition structures on children that are based on historical traditions and not a child's needs.
- Many training programs focus on the outcome such as winning rather than the process such as training.
- Physical, Technical, Tactical and Mental skills are not being introduced in a timely or systematic manner.
- No clear guidelines for parents, as to the nature, level and number of sports a child should take part in.

“Environment is the sum of all social, economical, biological, physical or chemical factors which constitute the surroundings of man, who is both creator and moulder of his environment.

“Talent development is the process of changing an organization, its employees, its stakeholders, and groups of people within it, using planned and organization.

METHODOLOGY

The purpose of the study was to investigate the talent development environment among International and National Badminton Players, to achieve these purpose 15 International players from other country, 15 Indian International players and 15 Senior National players of India were selected as the subject. International and Indian International Badminton Players were selected from Super Series held on 1 to 6 April 2014 at Delhi and Senior National Badminton Players of India were selected from Senior National Tournament held on 16 to 23 December at Delhi. The data was collected on talent development environment during the tournament.

The study was delimited to all International Badminton Players of other countries, all International Badminton Players of India and all Senior National Badminton Players of India. The study was delimited to talent development environment questionnaire developed by R. J. J. Martindale. The questionnaire measured the experiences of developing athletes in relation to observation identified "key features" of effective talent

development

environments.

Questionnaire having seven factors which are really influence the performance of a Badminton Player.

1. Long term development focus (factor A)
2. Quality preparation (factor B)
3. Communication (factor C)
4. Understanding the athlete (factor D)
5. Supportive network (factor E)
6. Challenging and supportive environment (factor F)
7. Long term development fundamentals (factor G).

True response to the questionnaire could act as the limitation of the study.

STATISTICAL METHOD

Descriptive statistics was used after obtaining results from the standard questionnaire. One way analysis was applied at .05 level of significance.

FINDINGS

After collecting data from Talent Development Environment Questionnaire One way analysis was applied at .05 level of significance.

Table-1

Analysis of variance of Senior National, Indian and other International Badminton Players on Talent Development Environment

Source of Variance	Sum of Square	df	Mean Square	F
Between Groups	2.844	2	1.422	0.003
Within Groups	21439.60	42	510.467	
Total	21442.44	44		

$$tabF_{0.05}(2,42) = 3.22$$

Table-1 also reveals that there was no significant difference found between Senior National Players, Indian Players and Other International players in relation to Talent

Development Environment because calculated value .003 value is less than the Tabulated value (3.22) at 42 d.f. At .05 level of significance.

Table-2

Calculated F values of Senior National, Indian and other International Badminton Players on Talent Development Environment Factors

F-A	F-B	F-C	F-D	F-E	F-F	F-G
0.19	0.3	1.2	0.2	0.7	5.7	0.6

tabF_{0.05(2,42)} = 3.22

Table-2 shows that there is no significance difference found between Senior National Players, Indian Players and Other International players in relation to talent development environment factors of F-A, F-B, F-C, F-D, F-E and F-G because calculated value 0.19, 0.3, 1.2, 0.2, 0.7 and 0.6 is less than the tabulated value (3.22) but there is significance found between Senior National Players, Indian Players and Other International players in relation to talent development environment factors of F-F because calculated value 5.7 is greater than the tabulated value (3.22) at 42 d.f. At .05 level of significance.

DISCUSSION

The finding pertaining to Talent Development Environment indicates that there is no significant difference between Senior National Players, Indian Players and International Players of other country of Badminton. In relation to factors there is no significance difference between the players except the factor F (challenging and supportive Environment). In the factor of Challenging and supportive environment there could be the difference due to that pressure where the player participated in particular level, either it could be national or International. The degree of difficulty literally increased competition to further competition and level to level, therefore this advancement wouldn't be adjusting for every player. If we relate this factor to psychology, there will be really find some differences in mental status of different level of players.

CONCLUSION

1. The present study indicates that there were no significant differences found in Talent Development Environment of International Badminton Players of other countries & India and Senior National Badminton Players of India.
2. There was significance found between Senior National Players, Indian and other International players in relation to talent development environment factors of Challenging and supportive environment (factor F).

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