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**COMPARATIVE ANALYSIS OF SPORTS AGGRESSION AMONG  
WUSHU PLAYERS AT DIFFERENT LEVELS OF PERFORMANCE** P-P:122-127



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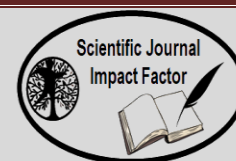
**ABSTRACT**

The purpose of the present study was to analyze aggression among female wushu players at different level of participation. The research study had been designed to investigate the sports aggression among Senior National level, inter-university level and senior state level female Wushu players. Purposive sampling procedure was adopted by the investigator to select the sample for the present study. A total number of samples for present study was comprised of 192 sportsperson belongs to Senior National level (n=32+32=64), inter-university level (n= 32+32=64) and H.P state level 32+32=64) female wushu players. The aggression was measured by the sports aggression inventory developed by Anand Kumar and Prem Shankar Shukla. Descriptive statistics and ANOVA followed by post hoc test was applied to analyze the results. The level of significance chosen for testing the hypothesis was set at 0.01 level of significance. The result of the study shows that there was significant difference found between Senior National level, inter-university level and senior state level female Wushu players. It was concluded that senior national wushu players were significantly possess high sports aggression than inter university level players and senior state level wushu players as the t' value came out to be 1.68 and 5.32, respectively. Similarly, inter university wushu players were significantly possess high sports aggression than senior state level wushu players as the 't' value came out to be 3.64.

**Keywords:** Sports Aggression, Performance & Wushu Players.



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**INTRODUCTION**

Sports psychology is that branch of psychology which deals with the behaviour of sports concerned in various circumstances and conditions.

Sports psychology stresses on the psychological study of the problems which arise in any sports situations. Psychology is a very wide field. It can be applied to many branches of human knowledge and activities. It can serve as a media for the fitness of human mind and body. It lays stress on the fact that physical as well as mental development of human beings depends upon their physical fitness by participating in games and sports activities. In the same way sports psychology plays a vital role in the all-round development of the individual. Keeping in mind these facts K.M. Burns has defined sports psychology in the following way:

Sports psychology for physical education is that branch of psychology which deals with physical fitness of the individual through his participation in games and sports. Sports psychology is specifically geared toward helping athletes gain focus and maintain a “winning” attitude in competition. Specific areas of concentration may include visualization of activities that will help with scoring (shooting baskets, good kicking body position etc.), overcoming performance anxiety, positive self-talk and other activities that increase an athlete's or team's desire to compete well.

There is adequate evidence to the effect that athletics participating in contact sports such as Boxing, judo, Wushu, wrestling, judo etc. are more aggressive than those participating in non-contact sports, some psychologists are convinced that aggression in some cases is unborn, others believe it is acquired as a soul heritage. It is difficult to say whether innately aggressive individuals take aggressive sports or athletes become aggressive by participation aggression. Episodic research studies disprove it. Perhaps, longitudinal in sports involving excessive aggression. Episodic research studies neither confirm this nor disprove it. High activation in players and spectators is also said to be one the reasons of aggression in sport.

**OBJECTIVE OF THE STUDY**

To study and find out the difference in aggression among senior national level, inter- university level and seniors state level female Wushu players of Himachal Pradesh.



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**HYPOTHESIS**

There would be significant difference in sports aggression among senior national level, inter-university level and seniors state level female Wushu players of Himachal Pradesh.

**DESIGN OF THE STUDY**

For the purpose of present study 192 female wushu players belongs to Senior National level (n=32+32=64), inter-university level (n=32+32=64), and H.P state level (n=32+32=64), were selected from Senior National level, inter-university level and H.P state level competitions. Data of senior national wushu players was collected in 29<sup>th</sup> senior national wushu men and women championship held at Chandigarh university, Mohali, Punjab in February 25 to March 2, 2021 and 30<sup>th</sup> Senior National Wushu Championship (Men & Women) held at Madhya Pradesh police academy, Bhauri, Bhopal (MP) from 4<sup>th</sup> to 10<sup>th</sup> December 2021. Data of inter university men and women was collected at Panjabi university Patiala w. e. f. 28<sup>th</sup> to 31<sup>st</sup> March 2022 and state level data was collected from 17<sup>th</sup> H.P Senior (Men & Women) State Wushu Championship held at sports ground kansha chowk Sunder Nagar from 13<sup>th</sup> to 14<sup>th</sup> Nov 2021, distt Mandi respectively.

**RESULTS**

**Table No: 1**  
**Summary of analysis of variance for three groups of female wushu players with respect to their sports aggression**

Groups	N	Mean	Source	Sum of Squares	df	Mean Square	F
Senior National	64	17.81	Between Groups	1273.198	4	318.2995	39.05203
Inter University	64	14.34	Within Groups	1524.172	187	8.150652	
Senior State	64	11.51	Total	2797.37	191		


Significant at 0.01 level



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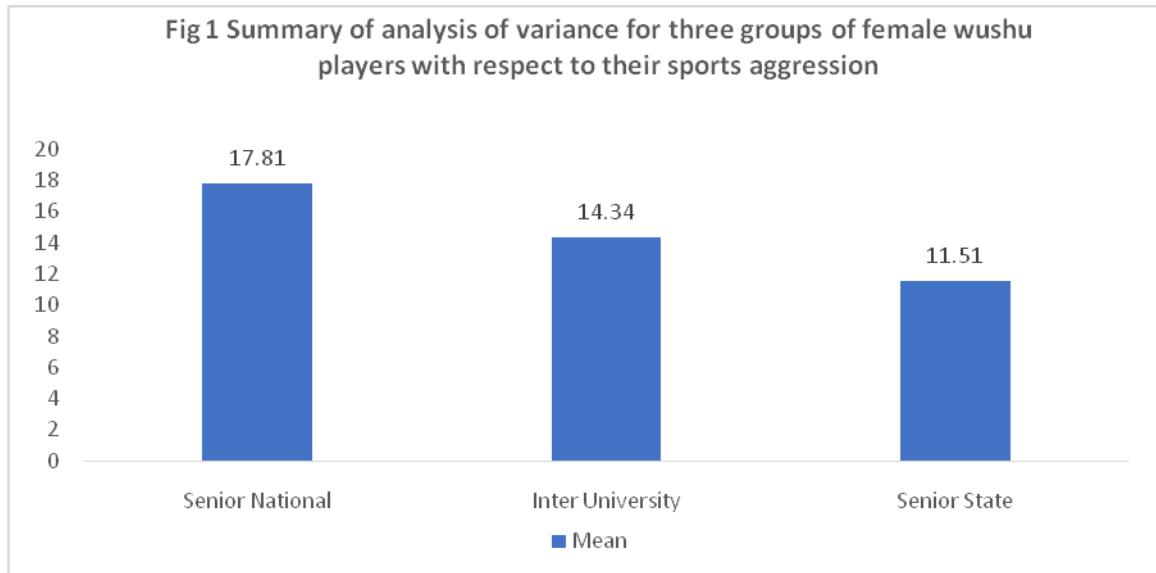
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It is clear from Table 1 that the F-value for three groups of female Wushu players on the variable of Sports Aggression came out to be 39.052 which is significant at 0.01 level of confidence. (Table value of F at 0.01 level=3.87) This indicates that the three groups of female wushu players differ significantly on the variables of Sports Aggression. Hence, the formulated hypothesis that *‘There would be significant difference in Sports Aggression among senior national level, inter-university level and seniors state level female Wushu players of Himachal Pradesh’* is **accepted**.

The significant difference presented by ‘F’ value does not give clear picture that which one of the groups is poor. This clarification can be obtained only by applying ‘t’ test to have a comparison between the mean values of three groups. In order to study the significance of differences between the mean of three groups, post hoc ‘t’ -test was further applied and the results are given in table-2.




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**Table No: 2**

**Post hoc t value of sports aggression among female wushu players of different level of performance i.e. Senior National, inter-university and state level**

Level of Performance	Senior National Level	Inter-University Level	Senior State Level
Senior National Level	-		
Inter-University Level	1.68**	-	
Senior State Level	5.32**	3.64**	-

\*Significant at.05 level(t=1.98), \*\* Significant at.01 level(t=2.63)

Table 2 indicates that the post hoc ‘t’ values for Sports Aggression among wushu players with respect to different levels of participation. When ‘t’ test was applied, it was found that senior national wushu players were significantly possess high sports aggression than inter university level players and senior state level wushu players as the ‘t’ value came out to be 1.68 and 5.32, respectively. Similarly, interuniversity wushu players were significantly possess high sports aggression than senior state level wushu players as the ‘t’ value came out to be 3.64

**DISCUSSION OF FINDINGS**

The findings of the study in relation to sports aggression showed significant difference among three groups of female wushu players. Senior national wushu players were significantly possessing high sports aggression than inter university level players and senior state level wushu players. Similarly, interuniversity wushu players were significantly possessing high sports aggression than senior state level wushu players because sports aggression is defined as the actual performance of aggression which is directed at achieving a goal. In the present study high performer groups showed high aggression, it may be due to the fact that in combat sports especially wushu, athlete need moderate level of aggression level. The findings supported by Raj Kumar Pal (2018) he found out that Basketball players showed high aggression as compare to their counterpart




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volleyball players as in basketball they have to tackle their opponents with ball and they face high struggle in the game of basketball as compare to volleyball game, in which volleyball players has to pass the ball to another court without direct contact.

**CONCLUSIONS**

The three groups of wushu players differ significantly on the variables of sports aggression. It was concluded that:

Senior national wushu players were more aggressive than inter university level and senior state level wushu players.

Inter university wushu players were more aggressive than senior state level wushu players.

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