

# **13 The first hand defense at backhand location technology and characteristic study of Rye Seung-min**

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## **1 Introduction**

With the regulation change of big ball, 11 score rule and the no shelter serving, the advantage of the serve, attacking after serve was restricted. At the same time, it is an opportunity for players to defend, especially the first hand. Through the observation and statistical analysis on the first hand defense of backhand location technology of Rye Seung - min, it explained the using rate towards different serving ball of forehand and backhand and the characteristic of the strength, placement and result of Rye Seung - min's returning serve. The common law and development trend of first hand defense at backhand location process of pen - hold grip player was discussed.

## **2 Methods**

### **2.1 Participants**

Rye Seung - min, the 27th Athens Olympics men's singles champion, who is the representative of paying attention to enriching and development of the offensive characteristic on the basis of keeping its backhand technology in tradition.

### **2.2 The method of watching video**

Using the method of movie & TV materials, the three matches of Rye Seung - min (vs Wang Hao, vs Val, vs Liang Zhu'en) was analyzed.

Table 1. Defense technology and characteristic statistical table in the first hand defense of Rye Seung - min backhand location

N O.	First bat ball quality			First bat ball de- fense		The first bat defending in- tensity			Placement that the first bat is defen- ded to re- turn serve			The first bat de- fending Result			Finally result		
	Str ong	Med ium	We ak	For eha nd	Bac kha nd	Str ong	Med ium	We ak	Le ft	Mid dle	Rig ht	Sco re	Ini tia tive	Pas sive	Sta lem ate	Win	Lose
1																	
2																	
3																	
4																	
5																	

**2.3 The method of statistics**

The relevant data and information that are obtained was analyzed statistically.

**2.4 The method of logic and induction**

The relevant data were sorted out and analyzed, trying to find out the potential law of the first hand defense at the backhand location of Rye Seung - min.

**3 Results and Discussion**

**3.1 Strong and weak of ball in the first bat at the backhand location**

For better distinguishing the different technology and characteristic in the first bat grasp of the player, the author has put forward the concept of strong and weak grasp, which issued on the third issue of 2003 of Guangzhou Physical Culture Institute journal . In this text we still use the concept and term for explain the consciousness and intensity of player when voluntarily grasping and defending , ( This text is grasped strongly = Strong + relatively strong; Graped weakly = medium + relatively weak + weak; Defend strongly = Strong + relatively strong; Defense weakly = medium is weaker + weak).

Table 2. The different character of the first bat of Rye Seung – min's defending technology in the backhand location%

Name	Strong %	Relatively strong %	Medium %	Relatively weak%	Weak %	Total %
Wang hao	2%	33%	49%	10%	6%	100%
Jan – Ove Waldner	7.4%	7.4%	29.7%	33.3%	22.2%	100%
Liang ZhuEn	-	22.2%	55.6%	11.1%	11.1%	100%
total	3.5%	24.1%	43.7%	17.2%	11.5%	100%

Table 2 showed the percentage of strong grasp was less than weak grasp in the first bat of Wang Hao, Val and Liang ZhuEn. The percentages of strong and weak grasp in the three players were as followings: in Wang Hao was 35% and 65% , in Val was 15% and 85% , and in Liang ZhuEn was 22% and 78% . The result gave us some suggestions. Firstly, the new service regular implementation increased the difficulty of the attack after service. Secondly, development of short court ball technology has suppressed the other side's quality of the grasp. Thirdly, it offered realistic foundation and development space for improving player's first hand defense ability, strengthening strategic intention and tactics change of the player's first hand defense.

### 3.2 The ones that defend in the first bat of backhand location are strong and weak

Table 3. Defend the statistical form of the intensity in the first bat of Rye Seung – min backhand location (%)

Name	Forehand that lean to one side %	Backhand		Total
		strong%	weak%	
Wang hao	42.5%	21.3%	36.2	100%
Jan – Ove Waldner	36%	15%	49%	100%
Liang ZhuEn	44.4%	-	55.6%	100%
Total	40.7%	17.3%	42%	100%

As everyone knows, after changing the big ball, table tennis has not become gentler according to what people looked forward to, oppositely, fighting and fierceness still are leading factors influencing the developing direction of the table tennis. In order to probe into the consciousness trend of strong and

weak defense when the first hand defense of Rye Seung - min backhand location, the author has carried on the comparison on two levels. First, carrying on comparison using the forehand technology on one's side and backhand technology, Second, when using backhand technology, the comparison between the size of strength and speed of bae. The table 3 displayed the first hand defense of Rye Seung - min, the strong defense and weak defense is 58% :42%. Result shows the first hand defense Rye Seung - min backhand location is objective, and defending consciousness moving towards and characteristic are influenced by strong defense.

### 3.3 Defend and compare with the weak result that defends strongly

Table 4 has showed the effect of three kinds of multi - form defense of Rye Seung - min. First, remarkable characteristic of using the strong defense of forehand technology to have high scores (36.4%), and high losing rate (33.3%). This is a typical mode of a fighting with a weapon type, the risk of this form lies in that once it is at a stalemate to enter, its passive characteristic (21.2%) relatively obvious too; Second, as a result of using strong defense backhand technology is the high score rate (50%) and relatively smaller mistake (28.6%). In addition, it is the greatest brilliant point of this kind of defense form that it seldom presents the passive situation. Third, using weak defense have the most high rate of stalemate (41.2%), however, the highest passive rate (32.4%) is its characteristics that can't be ignored too.

The author thinks, attacking means and grasped ability at many levels of the world excellent players in our times, influencing the player to choice and apply of the defending form differently more and more deeply, meaning and value of strong defense are paid close attention to by people, the choice and application of forehand and backhand in the first hand defense at the backhand location, the strong defense was regarded as future main developing direction of backhand technology by author:

Table 4. the statistical table of the result in the first hand defense of Rye Seung - min backhand location (%)

Defense form	Score%	Lose%	Initiative%	Passive%	Stalemate%	Total%
Forehand	36.4%	33.3%	-	21.2%	9.1%	100%
Forehand strong	50%	28.6%	14.3%	-	7.1%	100%
Backhand weak	5.9%	14.6%	5.9%	32.4%	41.2%	100%

### 3.4 Overall result of the first bat defense of backhand location

Table 5 showed that the whole match begins with the first hand defense at the

backhand location of Rye Seung – min, the score rate is higher than losing rate in the match of Wang Hao, Valdner, Liang ZhuEn. This result told us clearly that trying to be the first to grasp, attack actively is still the victorious key in the match, which is a future leading direction. On the Contrary, strengthening and improving the first bat of player's defense ability and level seem particularly important too.

Table 5. The score rate and loss rate of Rye Seung – min's first hand defense at backhand location%

Name	Score %	Loss %	Total%
Wang Hao	37.3%	62.7%	100%
Jan – Ove Waldner	40.7%	59.3%	100%
Liang ZhuEn	44.4%	55.6%	100%
Total	39.1%	60.1%	100%

#### 4 Conclusions

(1) The rate of weak grasp was higher than the rate of strong grasp in the first bat of some excellent players.

(2) The main characteristic consciousness of the first hand defense at the backhand location of Rye Seung – min was the strong grasp.

(3) The percentage of strong defense was more than the weak defeuse in the first hand defense at the backhand location of Rye Seung – min.

(4) Score rate of the strong grasp was still higher than that of the first hand defense in the first bat.