Quantitative Analysis on the Characteristics of Gains and Losses of Chinese Women's Volleyball Team and World High level Women's Volleyball Team in 2019 Women's Volleyball World Cup

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ABSTRACT:

The points gained and lost in volleyball matches are the reflection of the team's skills in the process of volleyball matches, and also reflect the level of the whole team's exertion and the team's future potential. This study uses the methods of literature, video observation, mathematical statistics, and technical statistics to analyze the characteristics of the points gained and lost in the 2019 Women's Volleyball World Cup between the Chinese Women's Volleyball Team and the world's high-level women's volleyball team, and analyzes the advantages and disadvantages of the Chinese women's volleyball team based on the characteristics of the points gained and lost in the Chinese and foreign women's volleyball teams. It provides reference for the training and competition of Chinese women's volleyball team. The victory or defeat of a complete volleyball match consists of several rounds, and the score of each round is determined by the gain or loss of each ball. This paper analyzes the gain or loss of a volleyball match in four aspects: serve, spike, block and opponent's fault. The following conclusions are drawn through the study. (1) The world's high-level women's volleyball team has a significant advantage in the scoring ability of the floating ball jump, while the Chinese women's volleyball team does not have a significant advantage in the scoring ability of the floating ball jump. (2) In the first attack stage, the spiking scores of the world's high-level women's volleyball team are mainly distributed in the strong attack and fast attack. The Chinese team mainly focuses on the fast attack and the fast cover attack, of which the fast cover attack has great advantages. (3) In the stage of counter attack, the scoring ability of Chinese and foreign women's volleyball spiking is concentrated in the strong attack and fast attack, but the Chinese team still has a significant advantage in the flat fast cover attack. (4) The block scoring ability of the world's high-level women's volleyball team is mainly in the block fast attack. In the block fast attack scoring ability, China is stronger than other strong teams.

KEY WORDS: China volleyball; World Cup; Gains and losses

Reference:
