

4. Discussion

As it can be seen in the table given above, ankle angle was measured as $(85,11 \pm 8,9)$ in females and as $(72,8 \pm 10)$ in males for successful serves. This finding shows that female players start the movement earlier than males. This difference remains relatively unchanged for shoulder angles (male $163,6 \pm 16,9$; female $176,3 \pm 21,8$). However, the values for elbow angles are found to be approximately the same for both groups of players (male $200,4 \pm 23,6$; female $199,6 \pm 17,4$).

This finding can be explained as follows. Females have to start the movement earlier than males in order to hit a successful serve. Therefore, they spend more energy and lose their strength earlier compared to males.

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