

The Characteristics of Muscles around Scapula in High-Level Athletes of Fencing

Institute of Health Science of Ryotokuji University

Naoyuki Okada · Toshihiko Hashimoto

In fencing, athletes must hit opponents by the sword of fencing, so they need long reach between their foot and their tip of the sword. We thought the motion of shoulder joint, mainly scapula, is one of the important roles in this action and noticed the difference of right and left side in muscles around scapula caused by this action. We evaluated these muscles with MRI imaging in 5 high-level athletes of fencing who aims at the next Olympics (3 men and 2 women, their average age is 21 years). Besides we observed their physical measurement related with these muscles. We reported the characteristics of these results.