

## Sport-Related Hand and Wrist Injuries Treatment

**Authors :** Sergei Kosarev

**Abstract :** Wrong treatment tactics for hand and wrist sport-related injuries can lead to the inability to play sports in the future. It is especially important for professional athletes. The members of the Russian Olympic Team are treated in our hospital -Federal Clinical Research Center (Moscow). For their treatment, we use minimally invasive methods such as wrist arthroscopy and also orthobiologics procedures. In 2022 we had cases with scaphoid fracture and TFCC injuries. In all the cases, we were using the arthroscopy technic for treatment. The scaphoid fracture was fixed by K-wires with free bone grafting. For TFCC injures we used transossal sutures. Rehabilitation started the next day after surgery. Rehabilitation included hand therapy and physiotherapy. All athletes returned to the sport after 8-12 weeks after surgery. One of them had pain in the wrist after 12 weeks after surgery, not more than 4 point VAS. Pain syndrome was blocked after 2 PRP injections in the ulnar side of the wrist.

**Keywords :** sport trauma, wrist arthroscopy, wrist pain, scaphoid fracture

**Conference Title :** ICOOS 2023 : International Conference on Oncology and Orthopaedic Surgery

**Conference Location :** Dubai, United Arab Emirates

**Conference Dates :** January 30-31, 2023