

**Background:** The literature is scarce regarding isolated tears of lunotriquetral interosseous ligament (LTIL). The purpose of this study was to present mid-term clinical and functional results of arthroscopic dorsal ligamentocapsulodesis in the treatment of isolated LTIL tears.

**Methods:** A total of 22 patients (8 female, 14 male; mean age = 31 years; age range = 18–42) with the diagnosis of isolated LTIL tears verified by wrist arthroscopy were retrospectively reviewed and included in the study. The mean follow-up was 55 (range = 24–84) months. The Modified Mayo Wrist Score, visual analog scale (VAS), flexion and extension deficits of passive wrist range of motion (ROM), pain-free ROM with forced wrist extension, and grip strength were measured in all patient both preoperatively and at the final follow-up appointment.

**Results:** The mean Modified Mayo Wrist Score significantly ameliorated from  $50 \pm 10.29$  (range = 30–65) preoperatively to  $86 \pm 11.61$  (range = 60–100) at the final follow-up ( $p < 0.001$ ). The mean VAS score significantly improved from  $7.1 \pm 0.83$  (range: 6–8) preoperatively to  $2.2 \pm 1.35$  (range = 0–6;  $p < 0.001$ ) at the final follow-up. At the final follow-up examination, the forced wrist extension was painless in all but three patients who developed pain at  $70^\circ$ ,  $75^\circ$  and  $80^\circ$  of extension, respectively. The mean strength of hand grip significantly increased from  $38.6 \pm 9.68$  (range = 24–54) kg to  $49.5 \pm 12.36$  (range = 33–66) kg at the final assessment ( $p < 0.001$ ). No major complications were observed during or after the procedure.

**Conclusions:** With the encouraging mid-term outcomes and a lower complication rate, arthroscopic LTIL dorsal ligamentocapsulodesis seems to be a safe and effective surgical technique in improving functional outcomes and reducing pain in the management of isolated LTIL tears.

**Keywords:** Unotriquetral interosseous ligament, Capsulodesis, Ligamentocapsulodesis, Arthroscopic capsulodesis, Isolated lunotriquetral tears.

[Yayına ulaşmak için tıklayın - Arthroscopic Dorsal Ligamentocapsulodesis in the Treatment of Isolated Lunotriquetral Interosseous Ligamentous Injury: A Retrospective Case Series of 22 Patients](#)