Reduction and Association of the Lunate and Triquetrum (RALT) Procedure for Subacute Triquetrum-Hamate-Capitate Dislocation With Lunotriquetral Ligament Tear: A Case report

Jung-Pan Wang, M.D., PhD.
Associate Professor, National Yang-Ming University
Division Chair, Division of Hand and Microsurgery,
Department of Orthopaedics, Taipei Veterans General Hospital

Introduction: To describe the case of a 31-year-old man presenting with a neglected Triquetrum-Hamate-Capitate dislocation accompanied by a lunotriquetral ligament tear.

Material and Method: The patient was treated successfully by reduction and association of the lunate and triquetrum (RALT) procedure.

Results: Thirty months after the surgery, the radiographs illustrated good carpal alignment and no volar intercalated segment instability deformity. The patient had recovered wrist function and range of motion without any mid-carpal instability.

Conclusion: Based on the findings from this case, we present a close method with reduction and association of the lunate and triquetrum (RALT) procedure that can be used successfully to treat the subacute Triquetrum-Hamate-Capitate dislocation with lunotriquetral ligament tear.