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**강연제목: Application and practice biomechanical research in the field of Orthopaedic Surgery ( Scapholunate Interosseous ligament repair & reconstruction )**

**Abstract:**

Scapholunate (SL) dissociation is the most common type of carpal instability, which may be unnoticed at the time of injury and cause functional disabilities and arthritis of the wrist joint when left untreated. Acute scapholunate interosseous ligament (SLIL) injury may be surgically treated by primary repair of the ruptured ligament with favorable results. However, chronic rupture of the SLIL, which is unable to be primarily repaired, may require several other techniques such as dorsal capsulodesis, reduction and association using a screw to the SL joint (RASL), the scapholunate axis method (SLAM), bone-ligament-bone grafting, and reconstruction of the SL ligament. However, surgical outcomes are still controversial.

**Brief Biosketch**

Dr.Chae is currently an associate professor at the department of Hand surgery, Orthopaedic Surgery at Daegu Catholic University. He is also a visiting Fellow under Dr.Thay Q. Lee. , Orthopaedic Biomechanical Laboratory, UCI, California , 2019. He also focused on the biomechanical research of Scapholunate interosseous ligament and Distal radioulnar joint instability. His current research topic includes Scapholunate ligament reconstruction technique with artificial material.