

## **Chronic failed revision quadriceps reconstruction with achilles allograft**

Wendell W Cole<sup>1</sup>, Allison Morgan, Dylan T Lowe, Laith M Jazrawi<sup>2</sup>

<sup>1</sup>Tulane University School of Medicine, <sup>2</sup>Center For Musculoskeletal Care

### **Background:**

Quadriceps ruptures typically occur in older individuals with risk factors for rupture including: obesity, diabetes mellitus, rheumatoid arthritis, and use of statins. Fixation of acute tears typically leads to good outcomes. In cases of chronic, retracted tears various surgical techniques may need to be utilized to repair or reconstruct the tendon.

### **Purpose:**

This video overview and case presentation demonstrates a surgical technique for revision of a failed chronic quadriceps reconstruction using achilles allograft.

### **Methods:**

A case of a 73 year-old male with a history of a failed primary quadriceps repair, and a failed quadriceps reconstruction, is shown in the video. A revision reconstruction is performed using an achilles tendon allograft.

### **Results:**

The tendon was successfully reconstructed using 3 achilles tendon allografts.

### **Conclusion:**

The use of multiple techniques may be necessary in the setting of a failed quadriceps reconstruction.