## Augmentation of Rotator Cuff Repair with Bioabsorbable Interpositional Nanofiber Scaffold

Albert Mousad, Jonathan Chad Levy<sup>1</sup>, Garrett Flynn<sup>2</sup>, Casey Michelle Beleckas<sup>1</sup>

<sup>1</sup>Levy Shoulder to Hand Center at the Paley Orthopedic & Spine Institute, <sup>2</sup>Florida Atlantic University Charles E. Schmidt College of Medicine

This video discusses the rationale and surgical technique of augmentation of a rotator cuff repair with an interpositional nanofiber scaffold. This construct has demonstrated promising results in preclinical studies and improved rotator cuff healing in a prospective study. The scaffold provides an efficient option for augmentation that is easy to apply, adds minimal surgical time, and does not need additional staples or anchors. This augment should especially be considered in patients who may be at higher risk of retear. To demonstrate the steps related to the surgical technique, the case example of a 75-year-old female who sustained a traumatic full-thickness retracted supraspinatus tear and had failed conservative management is used. The technique of incorporating the biceps tenodesis suture into the anterior lateral row anchor of the double row rotator cuff repair to perform a 'lateral row biceps tenodesis' is also demonstrated. At the most recent follow-up, the patient reported a pain-free post-operative course, with an excellent outcome.