

Placental Tissue Matrix

Skye Biologics PX50®

Case Report

August 4, 2016

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Diagnosis

Right wrist and thumb pain

Intro

On May 26, 2016, a 59-year-old piano teacher presented with pain in her right wrist and at the base of her right thumb. Pain had become so severe that had been difficult to play the piano.

Diagnosis

When examined by Shawn Tierney, DC, RSMK Musculoskeletal Sonologist, using a GE R6 B-mode ultrasound using 8 to 13MHz high frequency GE 12L linear transducer and a 2 to 5.3MHz 4C curvilinear transducer, she was diagnosed with a tear of distal right triangular fibrocartilage complex, effusion of the right radiocarpal joint and scapholunate joint, effusion of the right 4th dorsal wrist compartment, and effusion of the right 1st dorsal wrist compartment that irritated the surrounding radial nerves. Additionally, there was effusion of the right 1st carpometacarpal joint.

Treatment

Under ultrasound guidance, 0.5 cc .5% Ropivacaine with 0.5 cc Skye Biologics Placental Tissue Matrix Allograft, PX50® was injected into the right distal triangular fibrocartilage complex defect, the right scapholunate joint and radiocarpal joint, the right carpometacarpal joint, and the right 1st dorsal wrist compartment.

Subsequently, the surrounding nerves were hydrodissected around with a solution of 2 cc of 1% lidocaine and 8 cc of normal saline. Patient was recommended to wear a carpometacarpal joint splint.

Follow-up

In the three weeks following the injection, the patient reported a significant increase in pain in her right wrist and thumb. On June 23, 2016, after reevaluation under ultrasound exam and determination of specific areas of pain, the surrounding branches of the ulnar nerve was hydrodissected and the 1st carpometacarpal joint was injected with 3 cc of 0.5% Ropivacaine.

On August 4, 2016, the patient reported significant relief and marked improvement in her symptoms. She only reported mild pain in the lateral right wrist and slight tenderness on palpation of the palmar aspect of the base of the thumb. Further injections were performed with 1 cc of 0.5% Ropivacaine into the right scaphotrapezium joint and the radioulnar joint, completely relieving the patient's pain. She was very grateful that she felt relief and was instructed to follow up after another month for full post-procedure evaluation. She reported that because of the PX50®, she was hopeful for many more years of playing piano in the future.