

Placental Tissue Matrix
Skye Biologics PX50®

Case Report

July 23, 2016

Shawn Tierney, DC, RSMK Musculoskeletal Sonologist

Carol Hanselman, RNP

Rome Walter, DO

Problem

Right knee pain

Introduction

On March 31, 2016, a 47-year-old female presented with right knee pain that was at a low level on a regular basis, and worse with physical activity. As a Zumba instructor, her pain reached a level of 3/10 when doing certain aerobic movements, and she did not want it to get worse.

Diagnosis

Using a B-mode ultrasound with 8 to 13MHz high frequency GE 12L linear transducer, Dr. Tierney performed a diagnostic exam, which revealed the following:

1. Right medial plantar nerve impingement from the tarsal tunnel in the node of Henley, the plantar criss-cross and to the intermetatarsal nerves
2. Right knee distal and proximal patellar tendinosis
3. Right knee peroneal nerve irritation in the popliteal space

She was recommended to receive the Skye Biologics Placental Tissue Matrix Allograft to the right patellar tendon and quadriceps tendon.

Treatment

Under ultrasound guidance, a needle was guided to perform a percutaneous tenotomy on the right quadriceps tendon with a solution of 0.5 cc .5% Ropivacaine and 0.5 cc Skye Biologics Placental Tissue Matrix Allograft, PX50®. The knee was subsequently taped for 14 days and the patient was instructed to avoid weight bearing for 10 days.

Follow-up

On May 25, 2016, 8 weeks after the injection, the patient reported major relief from the PX50®, as her pain had nearly fully resolved, and only reached a 2/10 at its worst. On June 23, 2016, one month after the injections, patient reported that her pain was completely resolved, and she had no problem completing her Zumba workouts. Furthermore, she was going to start taking a Yoga teacher-training course in one month.