

Placental Tissue Matrix
Skye Biologics PX50®

Case Report

August 25, 2016

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Diagnosis

Patellar Tendinosis

Intro

Patient is a 42-year-old male who has pain when running. He initially sought treatment in February 2016, when he was able to run three to five miles, but it usually took him one mile to warm up, due to pain. He had a goal to complete a half-iron man race, but he usually has to three days off after a run, because of the pain.

Diagnosis

Dr. Tierney used a B-mode ultrasound with 8 to 13MHz high frequency GE 12L linear transducer to perform a diagnostic exam. The ultrasound revealed bilateral patellar tendinosis, primarily active at the right proximal patellar tendon insertion on the patella, mildly active at the distal right patellar tendon and proximal left patellar tendon.

Initial Treatment

Over the period of two months, he received three injections of aqueous testosterone at these injury sites, to stimulate healing in the tendon. In his follow-up MRI on 5/23/16, the impression still revealed tendinosis of the proximal patellar tendon, ossification of the proximal medial collateral ligament, and mild effusion of the right knee joint. Patient reported significant pain on a daily basis in the center of his right patellar tendon. He requested the PX50 solution in hopes of improved pain relief.

PX50® Treatment

On June 23, 2016, 0.5 cc .5% Ropivacaine with 0.5 cc Skye Biologics Placental Tissue Matrix Allograft, PX50®, was injected into the proximal right patellar tendon.

Follow-up

Just one week after the PX50® injection, the patient reported that his pain completely resolved. Upon clinical exam, there was no tenderness on palpation to the proximal patellar tendon, and the patient was cleared to return to running. At the 8-week follow-up on August 25, 2016, the patient reports 70% reduction in pain compared to after the testosterone injections. He reported that at the four-week point, he noticed small pains at the right proximal patellar tendon, especially the day after running five miles.

On ultrasound exam, there was a small defect in the fibers of the right proximal patellar tendon, much smaller than in June. Patient was injected with of 0.5 cc 5% Ropivacaine and instructed to keep it taped when running.

Figure 1. Reduction in Self-Reported Pain on a 1-10 Scale, before and after PTM Placental Tissue Matrix

Level of Pain	Pre- PX50®	Post- PX50®
	6/23/16	8/25/16
Average Pain	5	1
% Reduction in Pain	80%	