

Placental Tissue Matrix
Skye Biologics PX50

Case Report

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Diagnosis

Degenerative Joint Disease and Facet Joint Hypertrophy of L4-L5 and L5-S1

Intro

A 43-year-old female suffered a traumatic fall after completing a half-marathon race on May 7, 2016. She slipped and fell on the stairs of a bus, with her back landing on the last step. Her pain was excruciating, rated as a 10/10 when laying flat. She was taken to the Emergency Room and discharged after her urinalysis and x-rays were unremarkable. She was prescribed Norco and Lidocaine patches to manage the pain, but was still in so much pain that she doubted she would be able to return to work. Patient is a schoolteacher and was doubtful she would have any resolution to her back pain before the end of the school year. She had been using the cane when at home and a wheelchair for any travel.

Through Dr. Tierney's musculoskeletal ultrasound diagnostic exams, she was diagnosed with a right sacroiliac ligament sprain, a right subcostal nerve irritation, and degenerative arthritis at the right L45 51 lumbar facet joints.

Treatment

1cc .5% Ropivacaine with 0.5 cc Skye Biologics Placental Tissue Matrix Allograft was injected into the bilateral facet joints of right L4-L5 and L5-S1 lumbar facet joints.

Follow-up

Five days after her injection, patient walked into the office for a follow up visit, without the use of a cane or a wheelchair. She stated that her pain was significantly less, and her range of motion improved markedly. Since the PX50, she reported that every day was better than the one before. Her first question was “When can I return to the gym?” She was able to sleep on her back and return to work to finish the last two weeks of the school year.

Eight weeks after the injection, she was completing daily workouts lasting one to two hours a day. She reported having no more than two seconds of pain after a full day of activity, reaching a level of 2/10 at its worst. She reported no pain on a daily basis, and complete relief from her pain.

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®
Average Pain	4	0
% Reduction in Pain	100%	