

Placental Tissue Matrix
Skye Biologics PX50®

Case Report
January 31, 2016

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Diagnosis

Low Back Pain, Degeneration of the L4-L5 lumbar facet joints

Intro

On October 31, 2016, a 33-year-old male presented to the clinic with over 6 months of progressively worsening low back pain. He had noticed the pain most after a several mile run and when he had to stand up slowly each morning upon rising. In an x-ray, he was diagnosed with L5-S1 facet joint arthrosis. He could not do significant exercise for the past few weeks due to the pain.

Patient was examined by Shawn Tierney, DC, RMSK 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. His ultrasound exam revealed hypermobility and tenderness to palpation of the left and right L4-L5 lumbar facet joints, with the left worse than the right.

Treatment

0.5 cc .5% Ropivacaine was mixed with 0.5 cc Skye Biologics Placental Tissue Matrix Allograft, PX50®, and injected into the left and right facet joints of L4-L5 in the patient's low back. The goal was to provide sustaining regeneration to the patient's low back and to prevent further lumbar facet joint degeneration.

Follow-up

The patient felt reduction in pain immediately. On January 30, 2016, twelve weeks after the injection, patient reported that his lower back function was better. He reported that he had lifted heavy pallets at work within a few days after the injection. He still had pain after the injection. He did report that his low back function was still stable since the treatment. While he was able to continue to his profession, he was recommended to return to repeat the placental tissue matrix injection when he had time to take three weeks off from work and physical fitness training.

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	1	1
% Reduction in Pain	0%	