

Placental Tissue Matrix
Skye Biologics PX50®

Case Report
August 26, 2016

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Diagnosis

Low Back Pain, Degeneration of the right L4-L5 and L5-S1 lumbar facet joints

Intro

On May 26, 2016, a 33-year-old male presented to the clinic with worsening low back pain. His pain was 7/10 on average, and 9/10 at its worst. He aims to return to his Jiu Jitsu training in order to compete in the World Master's tournament in August, 2016.

Patient was 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. The ultrasound exam revealed hypermobility and capsulitis of the L4-L5 and L5-S1 bilateral facet joints, irritating the median branch and superior cluneal nerves

Treatment

Patient was initially treated on March 31, 2016 with injections of 0.5 cc .5% Ropivacaine into the bilateral L4-L5 L5-S1 facet joints, with immediate resolution of

pain. With the goal of long-term pain relief and regeneration to the patient's low back, patient was amenable to receive Skye Biologics Placental Tissue Matrix Allograft, PX50®.

On May 26, 2016, 1 cc .5% Ropivacaine was mixed with 0.5 cc Skye Biologics Placental Tissue Matrix Allograft, PX50®, and injected into the bilateral L4-L5 and L5-S1 facet joints of the patient's low back.

Follow-up

On June 6, 2016, two weeks after the injection, patient noticed significantly less back pain, with increased rotation of the spine. He had started physical therapy and gradually returned to Jiu Jitsu. He believed he will perform well when he competes at the World Master's Jiu Jitsu tournament in August, as a result of the PX50®.

On August 28, 2016, the patient successfully competed at the Jiu Jitsu World Master's tournament. He reported that his back had been doing a lot better, but he believed he still had more room for improvement.

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®
	5/26/16	8/26/16
Average Pain	7	3
% Reduction in Pain	57%	