

Placental Tissue Matrix
Skye Biologics PX50®

Case Report
August 31, 2016

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Problem

Left first toe dislocation

Introduction

On June 27, 2016, a 19-year-old male presented with a partial foot dislocation at Jiu Jitsu, and his coach sent him here. On clinical examination, his left first metatarsophalangeal joint seemed to allow for dorsal medial dislocation.

Diagnosis

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. His ultrasound exam revealed a loss of compact fibular echotecture in the abductor halicus insertion and lateral dorsal joint capsule, with instability and tenderness to stress, and mild left 1st metatarsophalangeal joint effusion.

Treatment

0.5 cc .5% Ropivacaine was mixed with 0.5 cc Skye Biologics Placental Tissue Matrix Allograft, PX50® and injected into the left 1st metatarsophalangeal joint, the abductor halicus insertion, and the lateral dorsal joint capsule.

Follow-up

On August 31, 2016, patient reported that he no longer has pain or limitation in the left first metatarsophalangeal joint. He was cleared to return to Jiu Jitsu, as long as he taped the toe before each practice. The ultrasound exam revealed a healing tear of the medial dorsal joint capsule and abductor halicus insertion, allowing dorsal medial subluxation of the left 1st metatarsophalangeal joint phalangeal portion

Results

Figure 1. Patient's Self-Reported Pain on a 1-10 Scale, before and after receiving PX50®

Level of Pain	Pre- PX50®	Post- PX50®
	6/27/2016	7/21/2016
Average Pain	3	0
Worst Pain	10	7