

VILEX Syndesmosis Fixation TACTIX™ VECTOR

CASE STUDY



Patient History

62 YO Female

Fell down the stairs with a twisting ankle injury.

Denies any previous surgical intervention to that extremity.

Past Medical History is significant for hypertension and the patient denies diabetes or smoking.

Initial Examination

The patient had swollen ankle without any open wounds.

She was tender to palpation over the medial and lateral aspects of the ankle with restricted motion and strength testing due to pain with good perfusion, palpable pulses, and sensation intact.

Radiographs reveal a trimalleolar ankle fracture with instability.



Dr. Jesse Doty, MD

Chattanooga, TN

Injury Photo & Radiographs

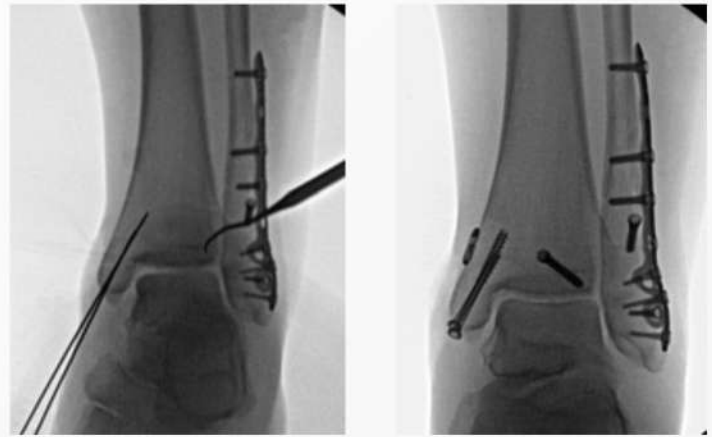


Treatment

The Medial Malleolus fracture was reduced with pointed clamps and fixed using two **cannulated screws**.

The Fibula Fracture was stabilized with a neutralization plate, while the posterior malleolus fragment was reduced under visualization and fluoroscopy and secured with a **3.5 mm lag screw**.

Due to syndesmotic instability, quadricortical drilling and a suture-button construct were used for Syndesmosis Fixation. Final fluoroscopic testing confirmed stable fixation and good ankle motion.



6 Week Post Operative

**Postoperative care is the responsibility of the medical professional.*

The patient had an **expected recovery** without any deviation from anticipated outcomes. At 12 weeks, she had nearly **10° of dorsiflexion** with for **20° of plantar flexion** and was ambulating without supportive devices as she slowly transitioned back to her normal day-to-day routine.

No further surgery is anticipated and she has discontinued physical therapy at this point and returned to work.



Dr. Jesse Doty, MD, is a paid consultant for Vilex, LLC. Vilex provided financial support for this case study.

These results are specific to this individual only. Individual results and activity levels after surgery vary and depend on many factors including age, weight, and prior activity levels. There are risks and recovery times associated with surgery, and there are certain individuals who should not undergo surgery.

This case study is a publication of Vilex, LLC.