

## Case Study

Laura G.



**Diagnosis:**

- Bunion Deformity (left foot)

**Procedure(s):**

- Bunion Correction with Double First Ray Osteotomy

**Technique:**

Attention was directed to the medial aspect of the left foot near the metatarsal neck where a small linear incision was made. Under fluoroscopic guidance, a through-and-through

osteotomy was created within the distal first metatarsal. An incision was made from this site medially along the joint capsule and a small amount of bone was removed from the medial first metatarsal head. The capital (isolated) fragment of the first metatarsal was shifted laterally into its corrected position. A small incision was made medial to the base of the proximal phalanx of the hallux.

An osteotomy was made within the medial portion of the hallux proximal phalanx, while the lateral cortex was left intact. A small incision was made at the medial aspect of the base of the distal phalanx of the hallux. This was carried directly to the bone. At this time, with the hallux held in its corrected position and the first metatarsal head shifted laterally into its corrected position, a pin was inserted medially along the hallux, along the medial aspect of the first metatarsal head and into the first metatarsal shaft. This holds the ray into its corrected position. The pin was cut distal to the skin. Fluoroscopy is used to assure proper alignment of the osteotomies and improved position of the first ray.

**\*Note: The pin was removed at four weeks.**