

A retrospective analysis of distal Chevron and Basilar osteotomies of the first metatarsal for correction of intermetatarsal angles in the range of 13 to 16 degrees

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ABSTRACT:

A retrospective study was performed for Austin (Chevron) and basilar type osteotomies of the first metatarsal in patients with preoperative intermetatarsal angles in the range of 13 to 16 degrees. Results indicated better radiographic correction for both groups than in previous studies. When comparing the results for the Chevron and basilar groups, the radiographic results were almost identical, but the Chevron group appeared to have a slightly better subjective result with less complications of metatarsalgia and callus formation and a better range of motion. Comparing intermetatarsal angle correction as a function of the preoperative hallux adductus, no definitive conclusions were made. However, the trend appears to have reduced correction with higher hallux abductus angles.