

Hallux Rigidus
Coughlin and Shurnas

Grade 0

- DF of 40-60 degrees (20% loss of normal motion), normal radiographic results, and no pain

Grade 1

- DF of 30-40 degrees, dorsal osteophytes, and minimal to no other joint changes

Grade 2

- DF of 10-30 degrees, mild flattening of the MTP joint, mild to moderate joint space narrowing or sclerosis, and osteophytes

Grade 3

- DF of less than 10 degrees, often less than 10 degrees PF, severe radiographic changes with hypertrophied cysts or erosions or with irregular sesamoids, constant moderate to severe pain, and pain at the extremes of ROM

Grade 4

- Stiff joint, radiographs showing loose bodies or osteochondral defects, and pain throughout entire ROM

Nonoperative Treatment

- NSAIDs
- Shoe gear modification
- Activity modification
- Orthotic Devices

Operative Treatment

- joint debridement and synovectomy
- dorsal cheilectomy
- Moberg procedure
- Keller Procedure
- MTP arthroplasty
- MTP joint arthrodesis

Hemi Implant-Distal



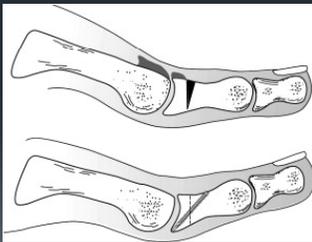
Hemi Implant-Proximal



Keller Bunionectomy



Moberg Osteotomy



Dorsal Cheilectomy

