Who can be treated without surgery:
- Clinically and radiographically plantigrade.
- No open wounds / osteomyelitis.
- No evidence for painful “hypertrophic nonunion” appearance of Eichenholtz Stage III.

Who can be treated with internal fixation:
- No open wounds / osteomyelitis
- Good clinical host
- Good bone quality
- Not morbidly obese

Candidates for Static ring fixation of Charcot foot
- Open wounds with osteomyelitis
- Poor clinical host
- Poor bone quality
- Morbidly obese

Surgical steps
1. Percutaneous tendon Achilles lengthening or gastrocnemius lengthening to create motor balance. Remember that these patients have motor and vasomotor neuropathy in addition to sensory peripheral neuropathy.
2. Correction of the deformity through a small incision at the apex of the deformity. Remove a wedge of bone. Obtain tissue cultures from the infected bone. Patients will require culture-specific parenteral antibiotic therapy if infection is present at the time of surgery.
3. Apply a pre-assembled three-level static ring fixator.

References