Hip Fracture Management

Textbook case
Preoperative radiographs

Case background information
The patient lost her balance and fell at home. She was transported to the emergency room at the Stanford University Medical Center for treatment.

Dr. Bellino made the decision to treat the hip fracture using a cephalomedullary device. He chose to use the TRIGEN INTERTAN Intertrochanteric Antegrade nail because of its enhanced stability and unique fracture compression mechanism.

Implant
TRIGEN® INTERTAN®
Intertrochanteric Antegrade Nail with Integrated Interlocking Screws

Procedure
Fixation and intraoperative compression of a peritrochanteric hip fracture

Patient information
83-year-old female, three-part peritrochanteric hip fracture
Procedural notes
The procedure was performed with the patient in the supine position. Indirect reduction techniques were used preoperatively to reduce the fracture as optimally as possible. Using the active linear compression feature of the TRIGEN® INTERTAN® Integrated Interlocking Screws, anatomic fracture reduction was then successfully achieved intraoperatively.

Results
The patient returned home following the procedure and has continued to heal successfully.
Surgeon quote
“The INTERTAN™ is a powerful device which provides immediate stability to unstable intertrochanteric femur fractures and mobilizes patients early with minimal hip pain.”

Case study author

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Dr. Bellino is the Chief of the Orthopaedic Trauma Service at Stanford University Medical Center in Palo Alto, CA. He completed his medical degree at New York Medical College and then an orthopaedic residency at the University of California, Davis. As an AO faculty surgeon, Dr. Bellino writes and lectures extensively on orthopaedic trauma, particularly on pelvic biomechanics and acetabular fractures.

Trapezoidal shape
Provides enhanced rotational stability allowing early weight-bearing

Clothes pin distal tip
Reduces incidence of anterior thigh pain and periprosthetic fracture

Interlocking screw construct
Compresses the fracture while controlling rotation