TRIGEN IM Nail System. Like no other.

Utilizing the
TRIGEN SURESHOT™
Distal Targeting System
TRIGEN° IM Nail System

**INTERtan°**
Short and long lengths

**META-NAIL°**
Retrograde Femoral°

**FAN**
(Femoral Antegrade Nail)
Standard° and recon°
Locking options

**TAN°**
(Trochanteric Antegrade Nail)
Standard° and recon°
Locking options
Challenge: Radiation exposure

The TRIGEN° solution:

TRIGEN SURESHOT° Distal Targeting System

*Achieve perfect circles without the use of radiation.* Real-time video feedback ensures the proper screw orientation relative to the distal interlocking holes.
Accuracy:
Distal locking was 100% successful on 50 procedures using the TRIGEN® SURESHOT® System.¹

Reduced time:
Distal locking time was reduced by an average of 48% compared to the standard fluoroscopy technique.¹

Reduced radiation:
Regarding radiation emission, fluoroscopy time was reduced by an average of 31 seconds which is the equivalent to approximately 0.663 rad.¹

One rad of exposure increases risk of cancer²

Nails that utilize TRIGEN SURESHOT technology.
Challenge: Instrumentation efficiency

The TRIGEN® solution:

One base instrument tray for all lower extremity long bones that allows the OR staff to make short work of long bone fractures.
Specialized instruments

Reducer
Curved tip directs the guide rod past the fracture site.

Captured Screw Hexdriver
Internal threading allows the hexdriver to rest just inside the screw head to ensure positive contact and prevent screw loss.

Honeycomb
Choose and fine-tune a starting position without constant removal of guide pins.
Challenge: Tibial fractures

133 tibia nailing cases showed 58% of proximal tibia fractures were malaligned (>5° angulation).

<table>
<thead>
<tr>
<th>Malalignment</th>
<th>Proximal</th>
<th>Middle</th>
<th>Distal</th>
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<tbody>
<tr>
<td>%</td>
<td>58%</td>
<td>7%</td>
<td>8%</td>
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The TRIGEN° solution:

Dedicated instruments for blocking screws and extension nailing

Blocking screws
Nailing in extension
Reduced flexion leads to less pull from the quadriceps muscle, helping to avoid fracture malreductions and malalignment.

Enhanced fixation

7mm of compression leads to more control of the reduction and easier, reproducible outcomes.

The highest proximal bend allowing for easier insertion with less risk of dislocation.

Threaded holes combined with a multiplanar screw configuration offer a stable, locked construct.
Challenge: Femoral fractures

The TRIGEN® solution:

Lessen the risk of femoral malrotation. With the TRIGEN SURESHOT® Distal Targeting System, the leg does not need to be maneuvered for fluoroscopy.⁴

In the picture the TRIGEN SURESHOT method is shown for the tibia. The setup for TRIGEN SURESHOT for the femur is similar.
In the picture the TRIGEN SURESHOT method is shown for the tibia. The setup for TRIGEN SURESHOT for the femur is similar.

Three femoral entry options

- Piriformis fossa
- Greater trochanter
- Intercondylar fossa

Locking hole options

- TRIGEN® FAN Femoral Antegrade Nails
- TRIGEN TAN® Trochanteric Antegrade Nails
- TRIGEN META-NAIL® Retrograde Femoral
References