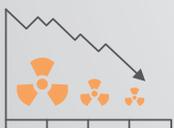


Gain total control
of distal locking

 **smith&nephew**
TRIGEN[®]
SURESHOT[®]
Distal Targeting System

Supporting healthcare professionals



Reduces
ionizing radiation



Increases
accuracy & control



Saves
time

TRIGEN[◊] SURESHOT[◊] Distal Targeting System

Radiation-free technology for distal locking in TRIGEN Intramedullary (IM) Nails that projects a virtual image of the distal end of nail onto the screen and provides real time feedback:

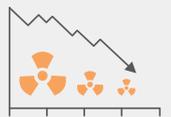
- Probe is inserted into the nail
- Electromagnetic field locates the position of the drill bit relative to the locking holes



**TRIGEN[◊]
SURESHOT[◊]**
Distal Targeting
System:

Reduces ionizing radiation

Potentially eliminates elevated cancer risk by 33%⁹⁻¹¹



Increases accuracy and control

It has been reported to have fewer complications and high reliability.⁵



Saves time

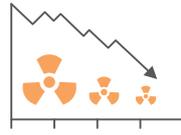
48% reduction in distal locking time⁵



Challenge

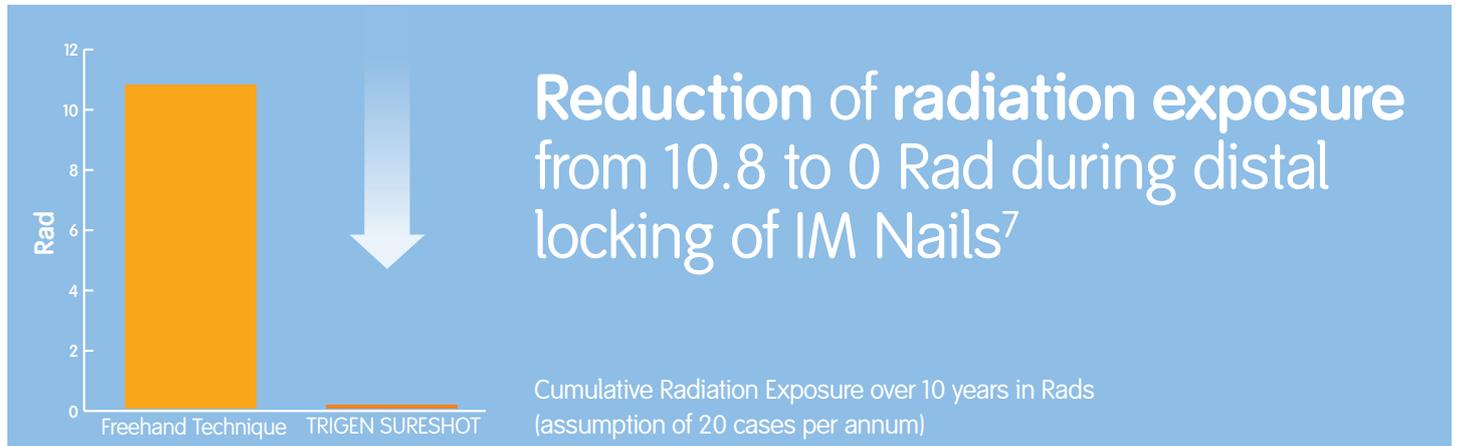
Radiation exposure

Current methods expose surgeons, OR staff, and patients to unnecessary and potentially hazardous radiation.^{1,2}



The TRIGEN[◇]
SURESHOT[◇] Solution:

Reduces
ionizing radiation



One rad of exposure increases risk of cancer by 3%³.

United States Nuclear Regulatory Commission (USNRC) recommends an occupational radiation exposure maximum of 200 mSv/10 yrs. SURESHOT is designed to prevent up to 54% of that total exposure limit. (10.8 rad = 108mSv)⁹⁻¹¹

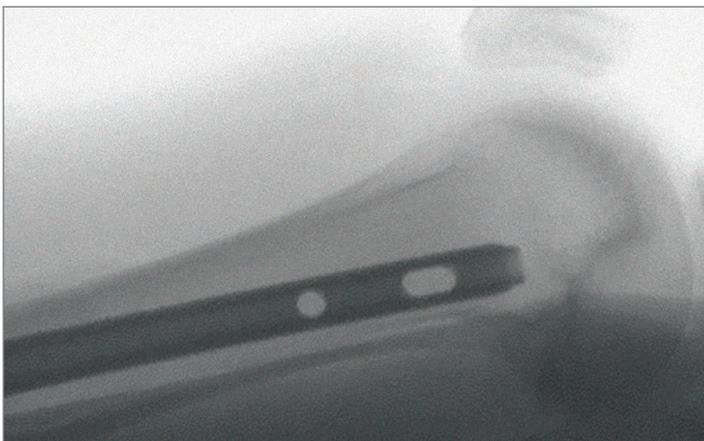
TRIGEN SURESHOT

because your health matters.



Why TRIGEN SURESHOT?

The TRIGEN SURESHOT System is designed to reduce exposure levels for the OR team and patients by replicating the perfect circle technique without radiation.



Perfect circles with x-ray



Perfect circles with TRIGEN SURESHOT Distal Targeting System

Challenge

Inaccurate targeting

Current distal targeting methods are imprecise, difficult and inconvenient.⁴



The TRIGEN[◇]
SURESHOT[◇] Solution:

**Increases accuracy
and control**



Outcomes using freehand technique are dependent on expertise of surgical staff and x-ray technicians.⁶

Current methods can result in extra drill holes and potential damage to implants.⁶

Repositioning of the leg for fluoroscopic distal locking can compromise the fracture reduction.⁵

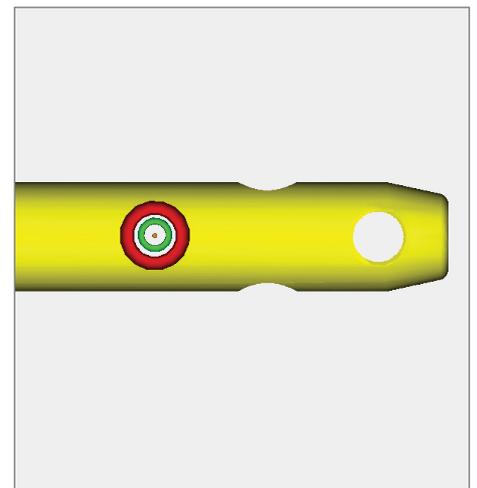
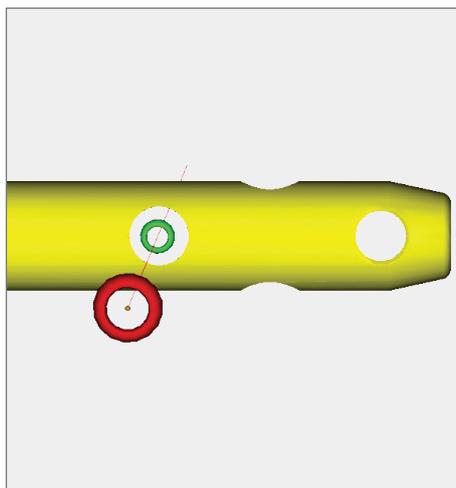
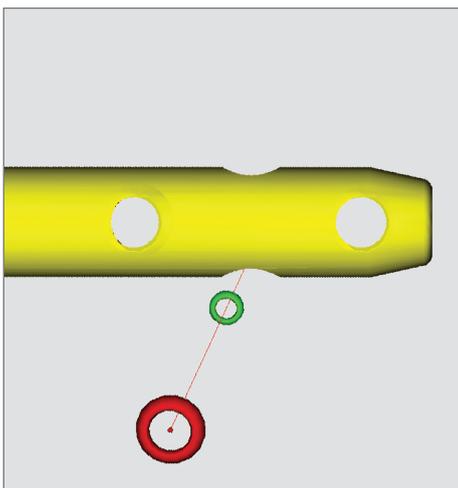
TRIGEN SURESHOT

puts you
in control.



Why TRIGEN SURESHOT?

The TRIGEN SURESHOT System allows the surgeon to be in complete control of distal locking without the need for fluoroscopy. The virtual imaging is designed to reduce the number of misses and potential complications.



Challenge

Time consuming

Current distal targeting methods are time consuming – distal locking time can range from 4 to 60 minutes.^{4,6,7}



The TRIGEN[◇]
SURESHOT[◇] Solution:
Saves time



Distal locking can, at times, require over 60 shots of radiation.⁸

Freehand techniques can require prolonged anaesthesia time for patients and increased staff time in the OR.⁶

TRIGEN SURESHOT

because your time is valuable.

Why TRIGEN SURESHOT?

By reducing time to complete distal locking, TRIGEN SURESHOT is designed to reduce procedure times which may lead to decrease of the anaesthesia duration for patients.

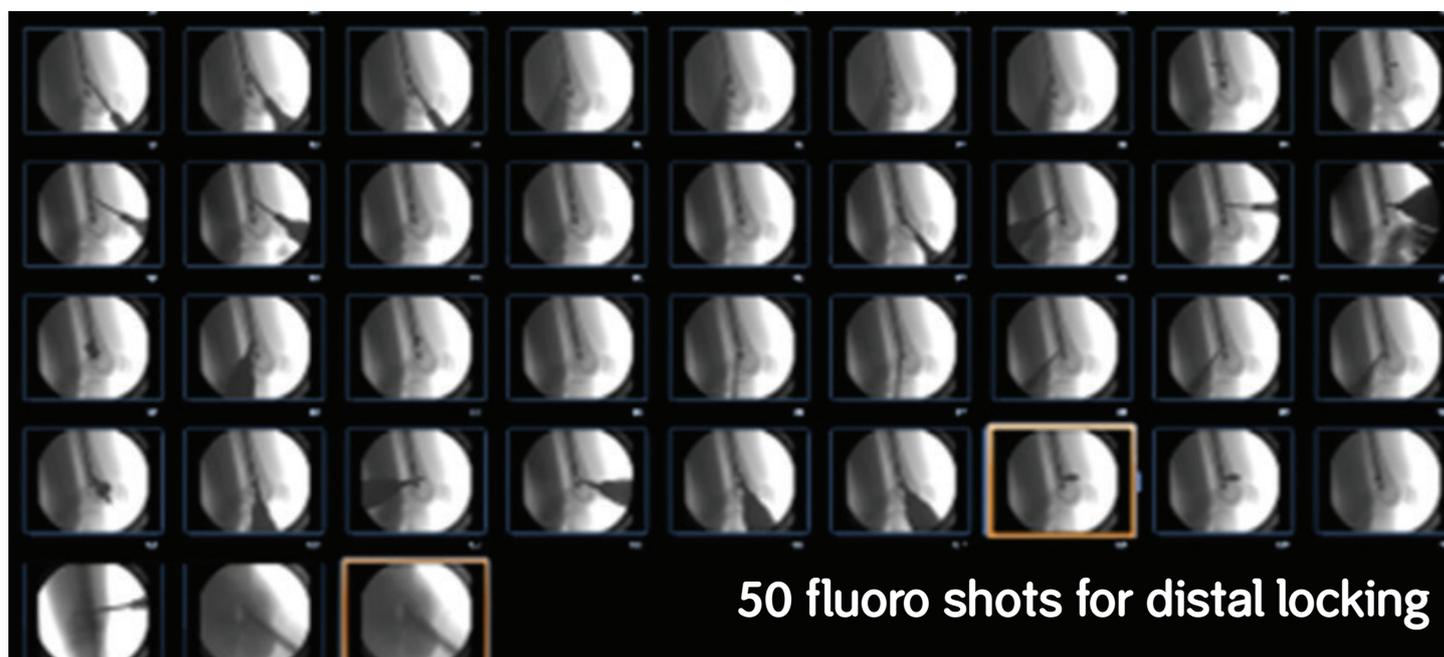


Image courtesy of Dr. Ricci



Femoral



TRIGEN[◇] META-TAN[◇] Trochanteric Antegrade Nail

- Integrated compression screws provide active compression
- Standard and Recon Locking options
- Optional set screw to create fixed angle construct
- Length dependent AP bows to accommodate varying patient anatomy
- Threaded multiplanar distal holes

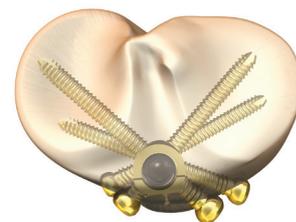


Tibial



TRIGEN META-NAIL[◇] Tibial Nail

- Threaded multiplanar hole configuration is designed to offer stable, fixed angle construct
- Proximal 10° Herzog bend is designed to minimize fracture displacement.
- Up to 7 mm compression possible
- Semi-extended instruments avoid malreduction / malalignment

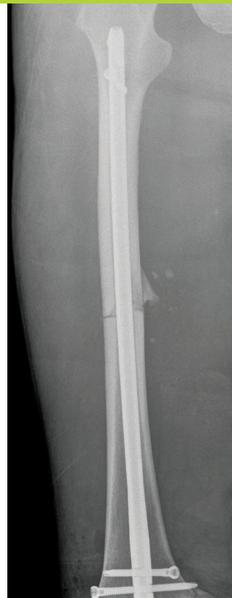
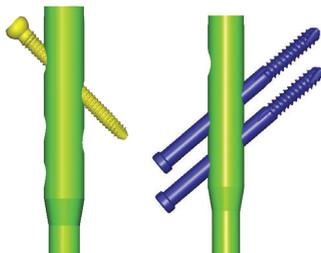


TRIGEN[◊] SURESHOT[◊] Distal Targeting System works with all of these TRIGEN IM Nails



TRIGEN[◊] FAN Femoral Antegrade Nail

- **Standard** and **Recon** Locking options
- **Hybrid AP bow** 1.5 m proximal, 2.5 m distal
- **Piriformis fossa** entry point
- 12° Anteversion



TRIGEN META-NAIL[◊] Retrograde Femoral Nail

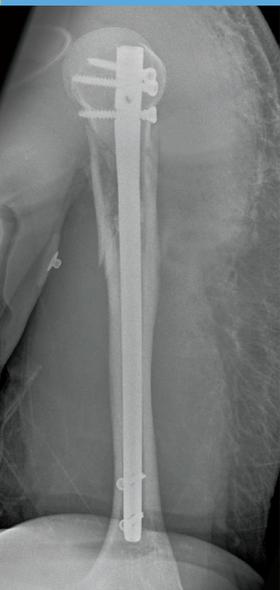
- **Threaded multiplanar distal hole configuration** is designed to provide angular stability
- Polyethylene bushing is designed to increase fixation
- **STABLE-LOK Nut** optimizes purchase - **Lateral compression** for intracondylar fracture patterns



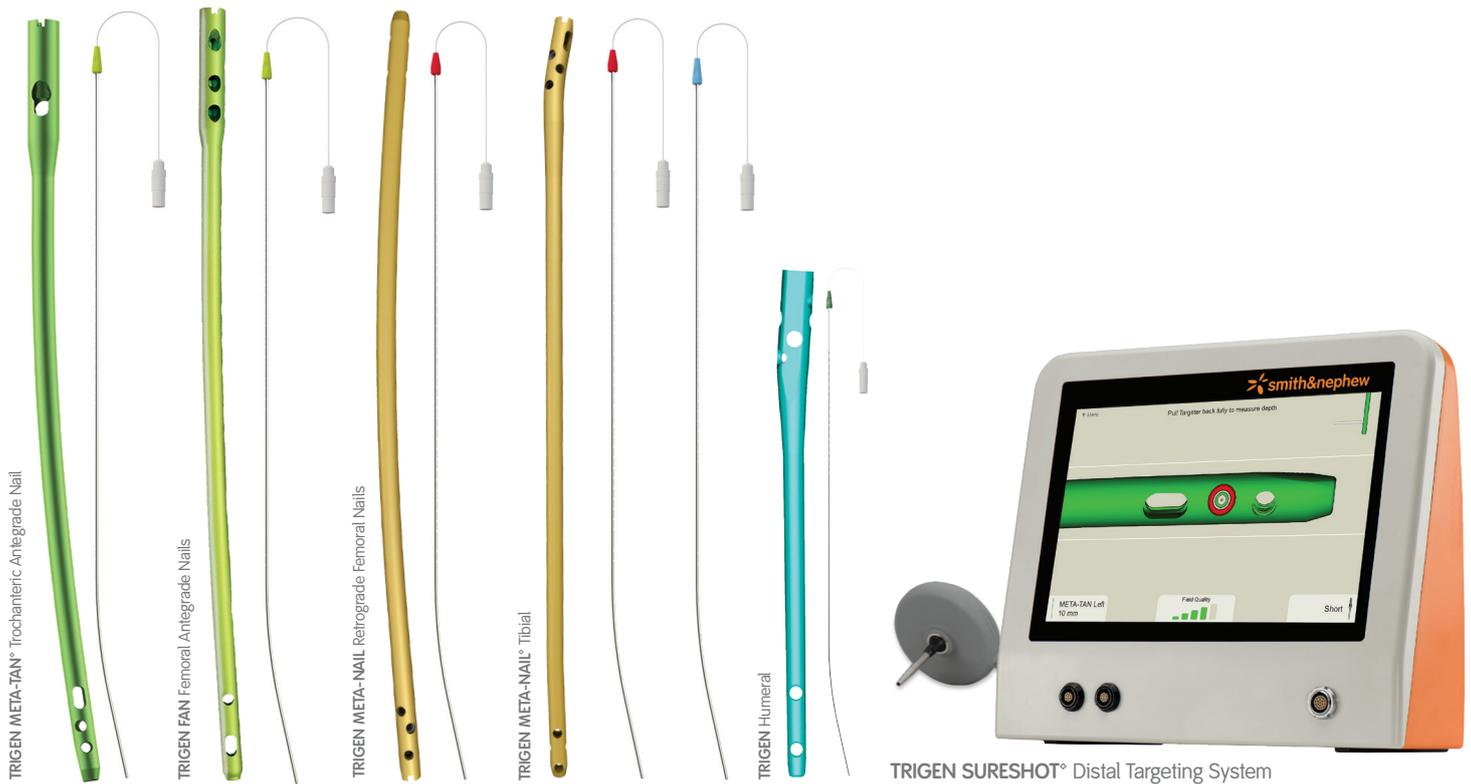
Humeral

TRIGEN HUMERAL NAIL

- **Straight and bent nail** options available
- **Multiplanar proximal screws**
- **Threaded proximal locking holes** with polyethylene bushings designed to prevent screw back-out
- **Trapezoidal nail profile** designed to provide enhanced rotational stability



TRIGEN[®] IM Nail System



TRIGEN META-TAN[®] Trochanteric Antegrade Nail

TRIGEN FAN Femoral Antegrade Nails

TRIGEN META-NAIL Retrograde Femoral Nails

TRIGEN META-NAIL[®] Tibial

TRIGEN Humeral

TRIGEN SURESHOT[®] Distal Targeting System

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For detailed product information, including indications for use, contraindications, precautions and warnings, please consult the product's applicable Instructions for Use (IFU) prior to use.

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