A humeral nailing solution you can be confident in
Challenges with humeral fractures

- Adjusting the C-arm for distal locking in humeral nail procedures
- Preventing possible axillary nerve damage\(^1,2\)
- Limiting the risk of neurovascular injury during distal locking\(^4\)
- Decreasing unnecessary radiation exposure\(^6,7\)
- Having options for nail insertion

Meet these challenges confidently with TRIGEN\(^\circ\) SURESHOT\(^\circ\) and
The position of the C-arm becomes less of a concern during the procedure because the surgeon has the ability to target the distal locking holes using the TRIGEN® SURESHOT® system for easier alignment and no radiation exposure.

The TRIGEN Humeral Nail with its versatile screw configuration was shown in a cadaver study to be one of the safest humeral nails for avoiding axillary nerve damage.

The TRIGEN Humeral Nail System with SURESHOT technology is designed to distal lock the nail first, using the electromagnetic wand and perfect circles method for fewer misses during drilling and screw insertion.

The number of fluoroscopy images are reduced significantly using the TRIGEN SURESHOT system, limiting the amount of radiation exposure to the patient, surgeon and OR staff.

The TRIGEN Humeral Nail System offers a straight and bent nail option. The 4° lateral bend may ease nail insertion avoiding the acromion.

Meet these challenges confidently with TRIGEN™ SURESHOT™ and the TRIGEN Humeral Nail System.
The TRIGEN SURESHOT Distal Targeting System allows you to focus on the anatomy, instead of the mechanics of distal locking by not having to adjust the C-arm and giving you full command to align perfect circles.

Confidence in distal locking

The TRIGEN SURESHOT Distal Targeting System increases accuracy while reducing radiation associated with distal locking.

Increased fluoroscopy times in humeral fracture cases can mean increased radiation exposure. With the TRIGEN SURESHOT Distal Targeting System, you can take full control:

• The first and only virtual real-time imaging system for easier and more accurate procedures
• Continuous real-time visual for correct drill direction and angle
• Computer-based calibrated software for perfect circle targeting
• Fluoroscopy-free during distal locking for reduced radiation exposure

The TRIGEN SURESHOT Distal Targeting System allows you to focus on the anatomy, instead of the mechanics of distal locking by not having to adjust the C-arm and giving you full command to align perfect circles.
Confidence in radiation reduction

A significant dose response causes increased risks

For each rad of radiation exposure a surgeon receives in a lifetime, risks increase

- The National Council on Radiation Protection and Measurements (NCRP) recommends using as low as reasonably achievable (ALARA) levels of radiation\(^9\)
- On February 9, 2010, the FDA unveiled plans to reduce radiation exposure from computed tomography (CT), nuclear medicine exams, and fluoroscopy\(^6\)

\[\text{Risk of all cancers}^9 \quad \text{Risk of circulatory diseases}^{10} \quad \text{Risk of cancer death}^{10}\]
Four multiplanar proximal screws improve fracture stability while avoiding the axial and radial nerves.

Bone-specific screws match the changing anatomy of the humerus.
- 5.0mm Cancellous Screws for proximal locks in cancellous bone
- 4.0mm Cortical Screws for distal locks in cortical bone

Threaded screw holes, polyethylene bushings and the TRIGEN captured screw mechanism reinforce fixation while preventing screw back-out and screw loss.

The trapezoidal nail profile provides enhanced rotational stability in the humerus and adds a smaller dimension to the Nail profile in the AP.

• Multiple lengths (16cm-28cm) allow for more options to cover more indications.
• Bent and straight nail options allow you to choose the entry portal.

The TRIGEN™ Humeral Nail System was designed specifically to address your concerns about humeral nailing. Everything – from the nail profile to the instrument tray – was created to make your case more successful for you and your patient.

Confidence in the latest advancements

One instrument tray includes everything you need for the procedure

Included in the tray
- Implant removal instruments
  No extra set required
- SURESHOT™ Humeral Tray Caddy
  Fits right into tray
Approach your humeral case with more confidence
References: