



## Reline <sup>3D</sup>

Powerful and efficient  
deformity correction



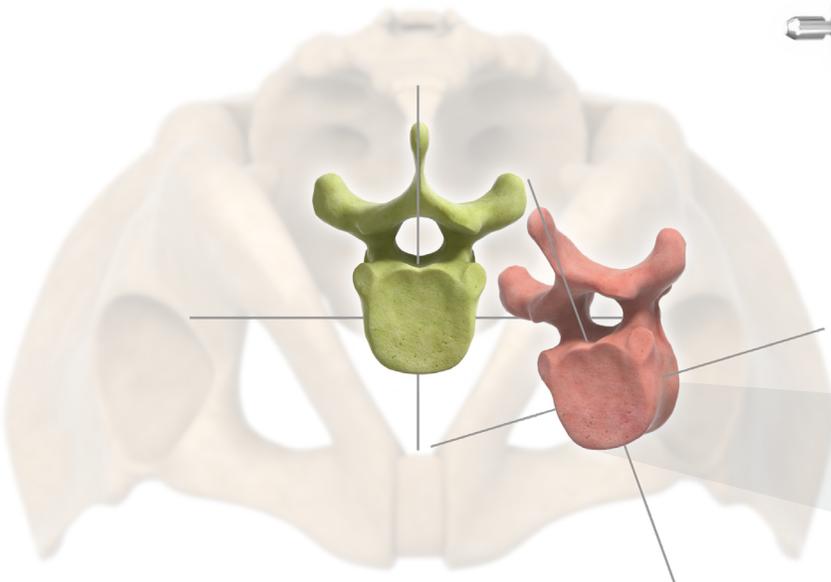
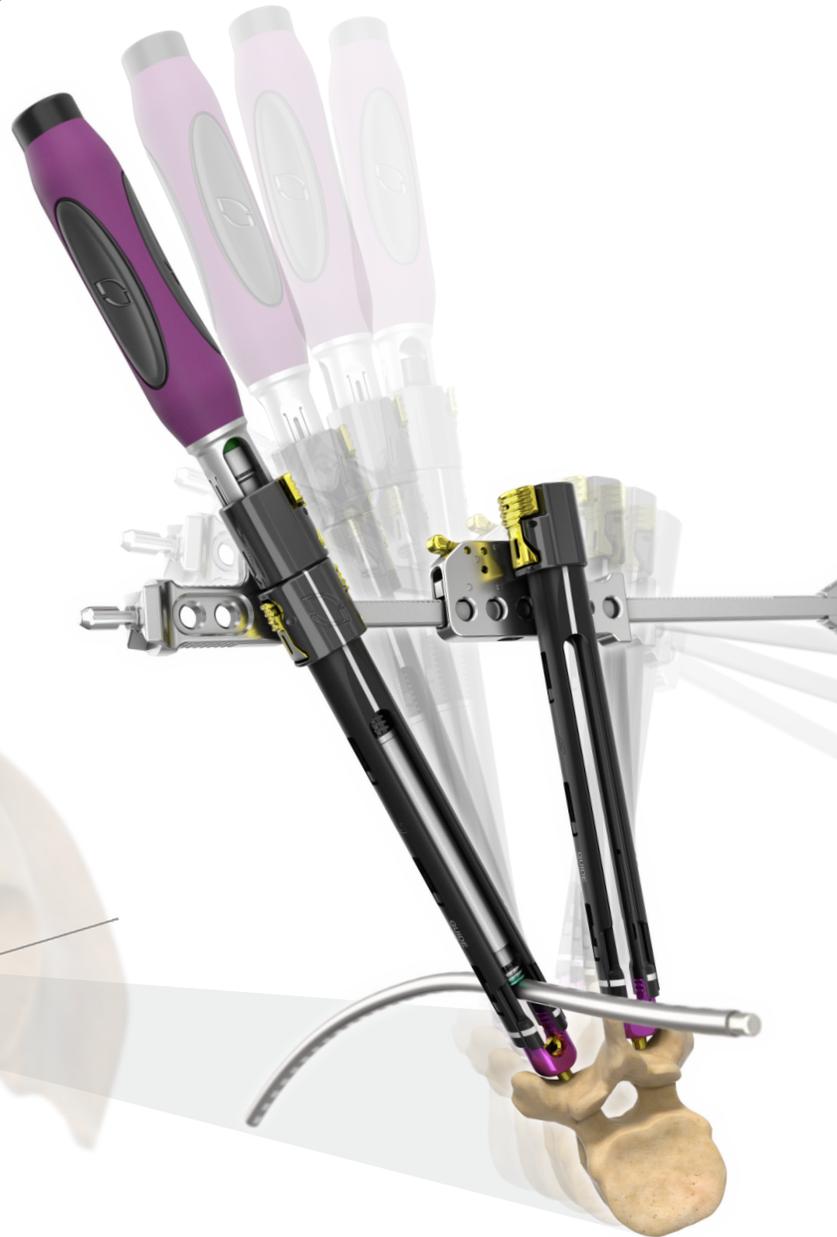
Surgeons that treat complex spinal deformities are dedicated to the advancement of techniques to drive improved deformity correction. As a result, the number of surgical steps has grown substantially for surgeons striving to achieve ideal correction. The compilation of those steps has not created holistic surgical approach and can result in an inefficient OR experience.

## What if there was a way to achieve desirable correction, and do so with fewer steps?

**Reline 3D** is a posterior fixation system that unifies traditional deformity techniques into one efficient and holistic procedure.

For complex pathologies such as adolescent idiopathic scoliosis, Reline 3D is designed to provide:

- simultaneous and powerful 3D correction,
- through a simplified procedure to drive OR efficiencies,
- with versatile system applications for a reproducible experience.



## Powerful 3D correction

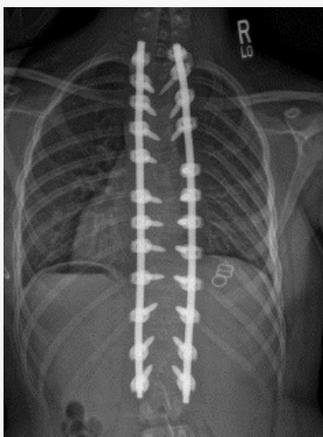
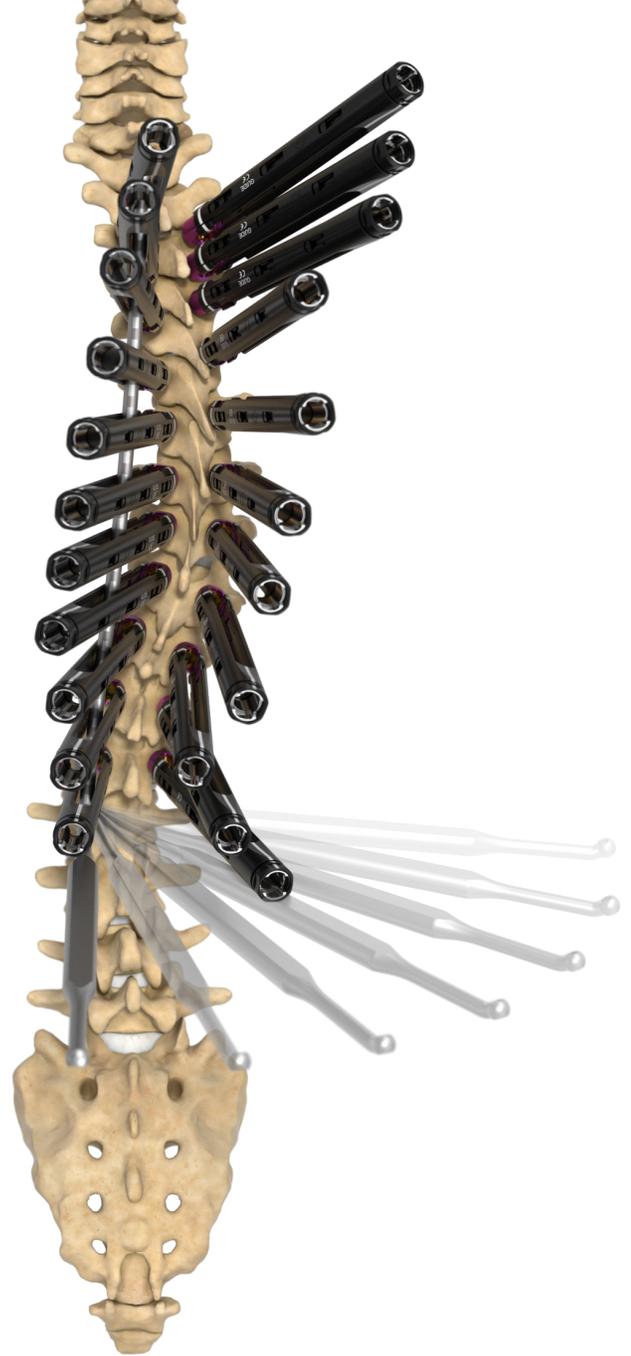
*Avoid falling short on coronal, sagittal or axial correction with a system built for powerful results.*

- Tailor construct strength to patient stiffness with a vast range of implant options.
- Optimize load sharing across all segments with simultaneous translation, kyphosis restoration and derotation.
- Maximize correctional power utilizing rigid implant/instrument engagements/design.

## Simple and efficient

*Decrease time spent in the OR with a system that integrates surgical steps and instruments.*

- Place screws pre-assembled with 3D guides to remove attachment step and enhance visualization of screw cascade.
- Simplify rod capture and sagittal restoration with large rod reduction window on 3D guides.
- Flow seamlessly from reduction and derotation to lock screw delivery and tightening with integrated instrument designs.



“Reline 3D allows me to simultaneously correct all three planes of the deformity at once, minimizing stress on the bone/screw interface and rod deformation, and maximizing my three dimensional correction in patients with complex spinal curvatures.”

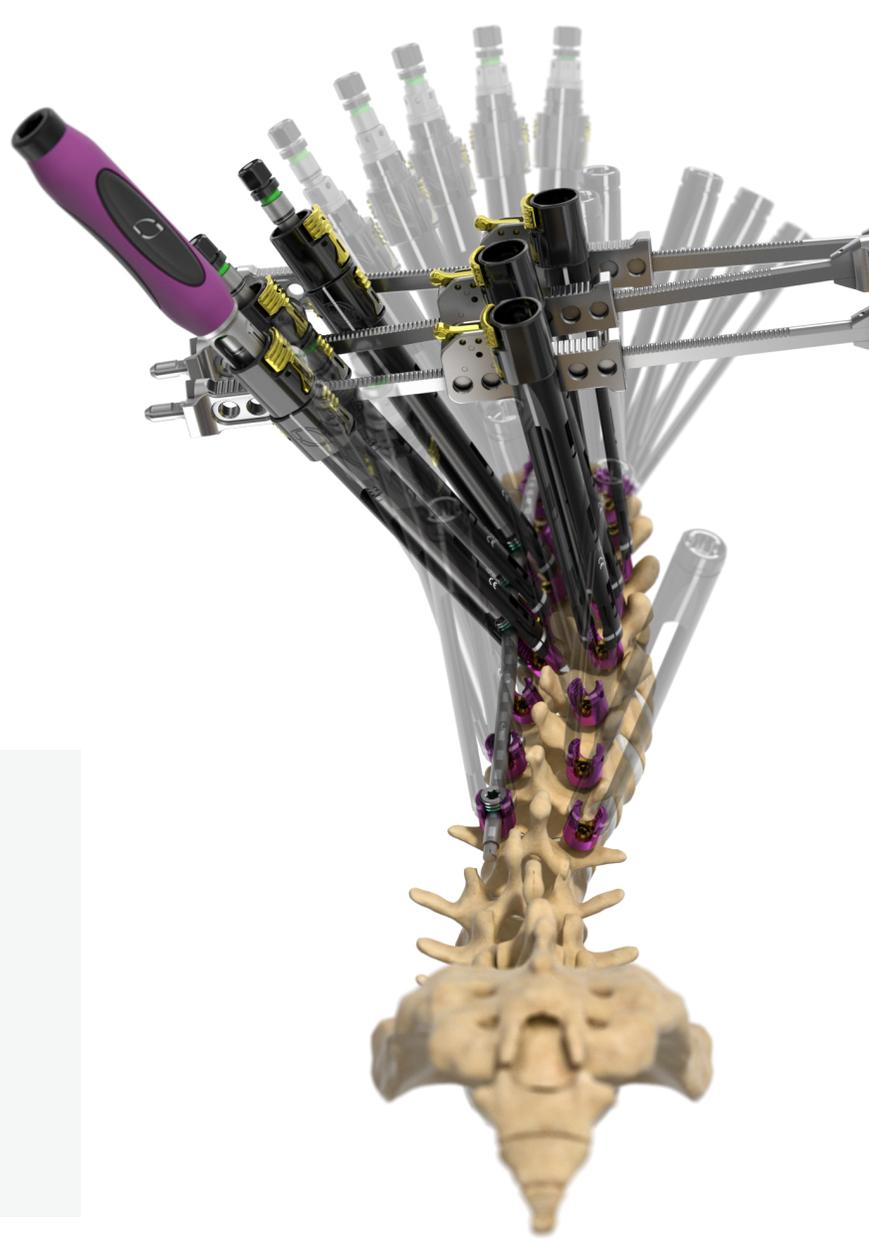
### **Robert Cho, M.D.**

Chief of staff and pediatric and orthopedic surgeon,  
Shriners for Children Medical Center,  
Pasadena, CA

# Versatility for a reproducible experience

Enhance your surgical experience with a reliable system designed for versatile applications.

- Minimize common surgical challenges including lateral rod capture, unwanted tower disengagement and rod flattening with thoughtful instrument design.
- Helical flange locking technology combined with 3D guides help constrain head splay and minimize cross threading.
- Reduce guesswork and user fatigue in complex procedures—let the system do the heavy lifting.



“Reline 3D creates a streamlined solution for complex deformities, and my peers have converted to using it simply based on its correctional ability, efficiencies and versatile applications.”

**Mr. Stewart Tucker**

Orthopaedic surgeon,  
Great Ormond Street Hospital,  
London, England

## Complete procedural solution



Navigation



Power



Radiation reduction  
and imaging



Neuromonitoring



Biologics

# Key features

## Implants

**5, 5.5, 6 mm rod options** in Titanium and Cobalt Chrome provide intra-op flexibility for construct stiffness

Optional pre-bent rods\* with 25°, 35° and 45° bends are designed to:

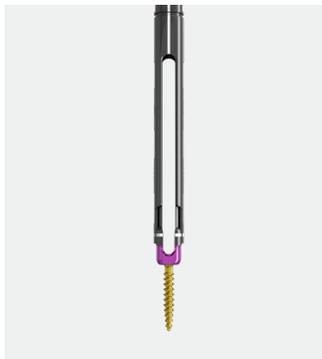
- reduce intraoperative rod contouring time (especially for stiffer materials),
- increase accuracy of kyphosis restoration, and
- preserve rod strength by minimizing rod notching.

**Dual-lead, self-tapping screws** with low-profile tulip design in whole and half-size shank diameters: 4, 4.5, 5, 5.5, 6 and 6.5 mm

**Helical flange lock screw** technology designed to minimize cross-threading and head splay

**\*5.5 and 6 mm only**

## Instrumentation



**3D guides:** Foundational tower of the Reline 3D system designed to streamline screw placement, rod capture, translation and derotation

- 110 mm window to ease rod capture and accommodate large bends
- Rigid engagement design for unwanted disengagement
- Acts as true extension of a uniplanar screw to facilitate 3D visualization and correction
- Low profile exterior to fit in tight anatomical space like the concavity and lordotic regions



**Pile drivers:** Workhorse of the Reline 3D system designed to facilitate load sharing across all segments during procedure

- 55 mm of powerful, controlled reduction internalized within the profile of the 3D guide
- Rod reduction and lock screw delivery in single instrument
- Reduction forces are delivered through the instrument, maintaining integrity of lock screw



**Integrated vertebral body derotation:** An evolution of derotation tools that seamlessly integrates translation and derotation steps for powerful correction.

- Rigid engagement designs to minimize axial play and maximise control and correction
- Simplified assembly/disassembly to drive efficiency
- Modular options of a variety of techniques

Please reference Reline IFU for full product information including indications, warning and precautions, and additional important labeling information. For important product safety information, please visit [nuvasive.com/eifu](http://nuvasive.com/eifu).

Not all products presented in this document may be available in your market. For specific product offerings available in your country, please contact your local NuVasive representative.

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