



X360

Transform surgery.
Advance care. Change lives.



Building on the legacy of XLIF, X360 combines less invasive procedural solutions—XLIF, XALIF and XFixation—with cutting edge technologies to offer the most comprehensive and customizable lateral single-position surgical system in the market.

Transform surgery

The introduction of XLIF and NVM5 transformed the minimally invasive surgery spine market, demonstrating superior and more predictable outcomes than traditional spinal fusion procedures with substantially fewer complications.

Benefits of less invasive surgery

Improved clinical outcomes

- 97% fusion/healing rates with XLIF¹
- 50% reduction in revision rates²
- 50% shorter length of stay²

Improved restoration of height and alignment

- 97% achievement of indirect decompression³
- 75% greater foraminal height restoration than TLIF and PLIF⁴

Reduced morbidity

- 90% reduction in infection rates than TLIF and PLIF²
- 90% reduction in blood loss⁵⁻⁸

Advance care

The X360 system is designed to enhance surgical workflow, reduce operative time, and improve patient outcomes through modern, less invasive techniques performed with the patient in lateral decubitus.

Benefits of X360

Reduced operative time

X360 can reduce up to 60 minutes⁹ of operative time through the removal of supine or lateral to prone repositioning.

Cost savings

X360 can reduce hospital costs by an average of \$5,000 per patient.^{10,11} Cost estimated at \$80 per minute.

Reduced time under anesthesia

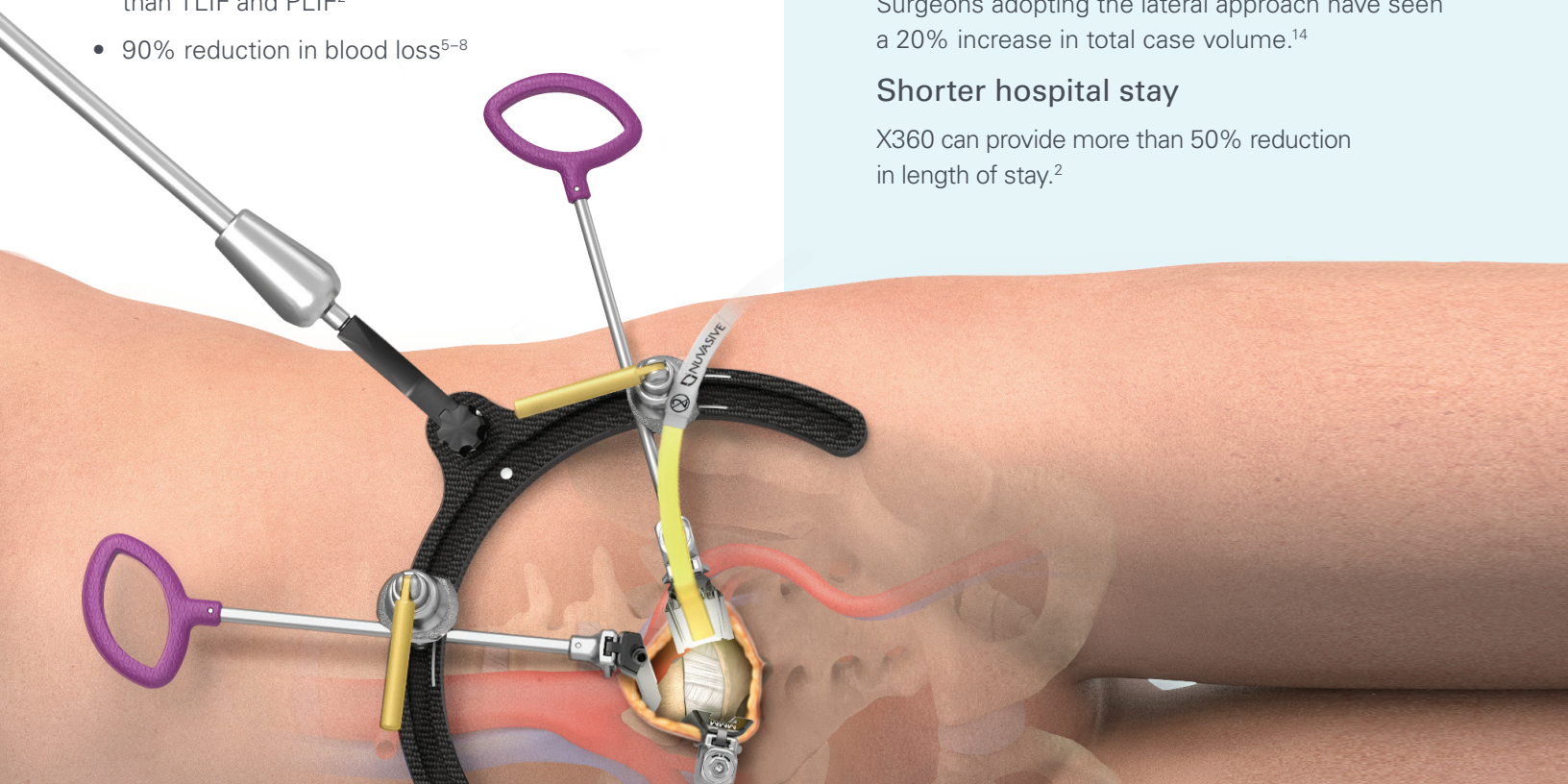
X360 can reduce patient time under anesthesia and lower associated intraoperative risks.^{12,13}

Increased case volume

Surgeons adopting the lateral approach have seen a 20% increase in total case volume.¹⁴

Shorter hospital stay

X360 can provide more than 50% reduction in length of stay.²



Change lives

Case study

Leveraging the flexibility and efficiency of the X360 workflow, the surgical team was able to accomplish a L4–S1 fusion in 1 hour 40 minutes, reducing operative time and patient time under anesthesia. The surgical workflow accommodated access surgeon scheduling by allowing the spine surgeon to begin the procedure with L4–L5 XLIF followed by L4–S1 XFixation, completing the posterior fusion and closing the XLIF incision prior to the access surgeon entering the OR. The surgical team then executed the L5–S1 XALIF and dropped the rods posteriorly, prior to closing the anterior and posterior incisions.

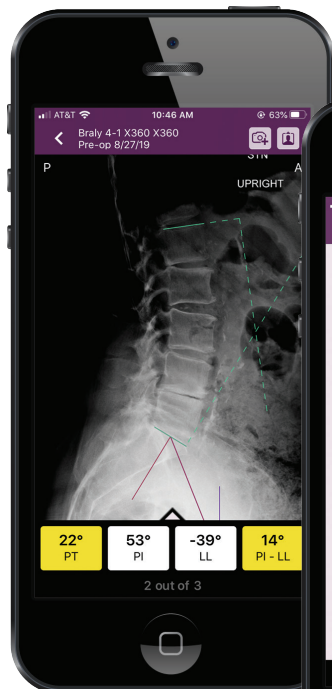
Patient information

- 71-year-old female
- Body mass index of 25
- Degenerative disc disease, severe back pain, spondylosis and radiculopathy
- Required the use of a wheelchair

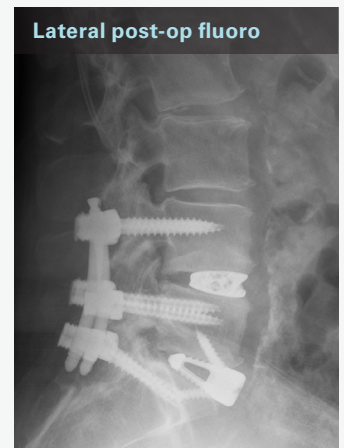
Post-op outcomes

- Patient has restored sagittal alignment
- Patient is back to walking without a wheelchair
- Pain has significantly decreased

Pre-op confirmation

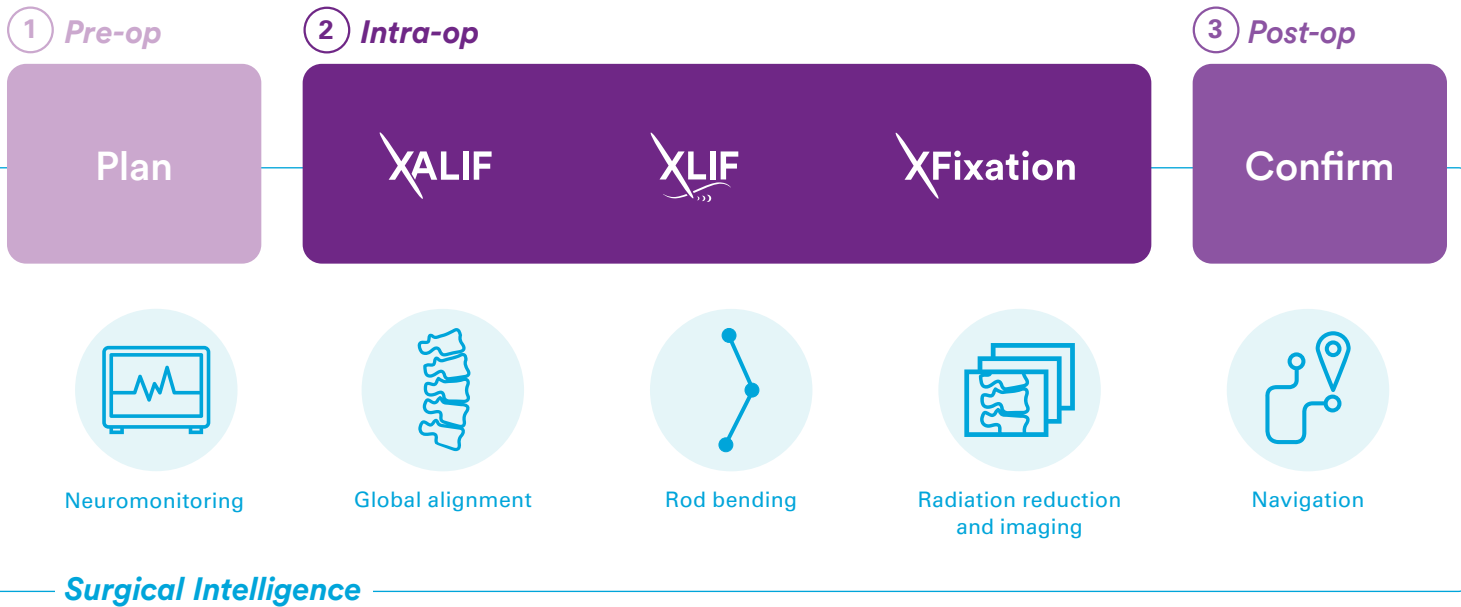
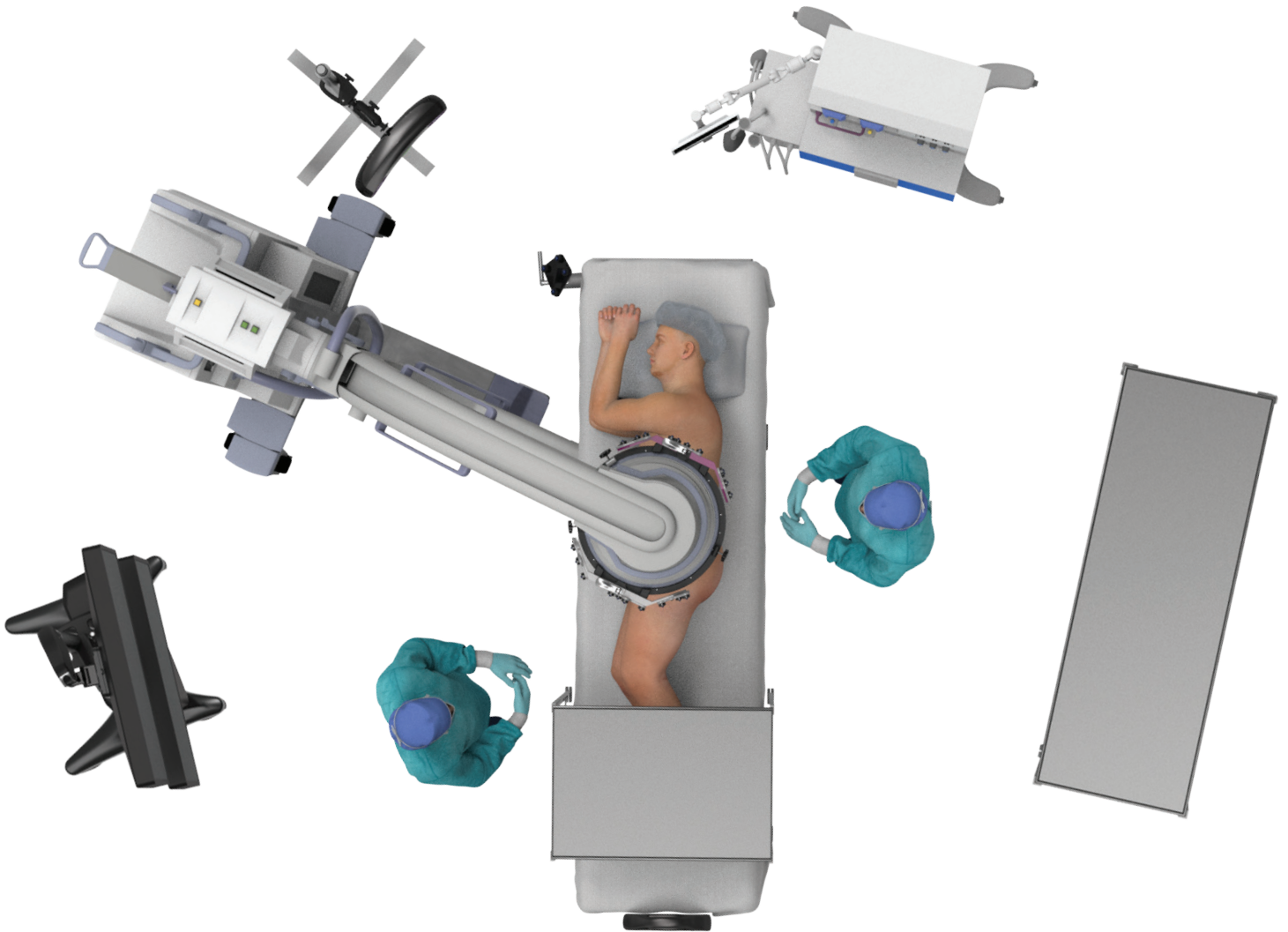


Post-op confirmation



X360 OR setup and surgical workflow

To take advantage of the time benefits associated with X360, it is important to set the OR up for maximum efficiency prior to the case. X360 provides significant OR time savings⁹ by keeping the patient in lateral decubitus throughout the entire surgery. By performing multiple procedures in the lateral position, a surgeon is able to customize their workflow allowing for greater OR efficiency.

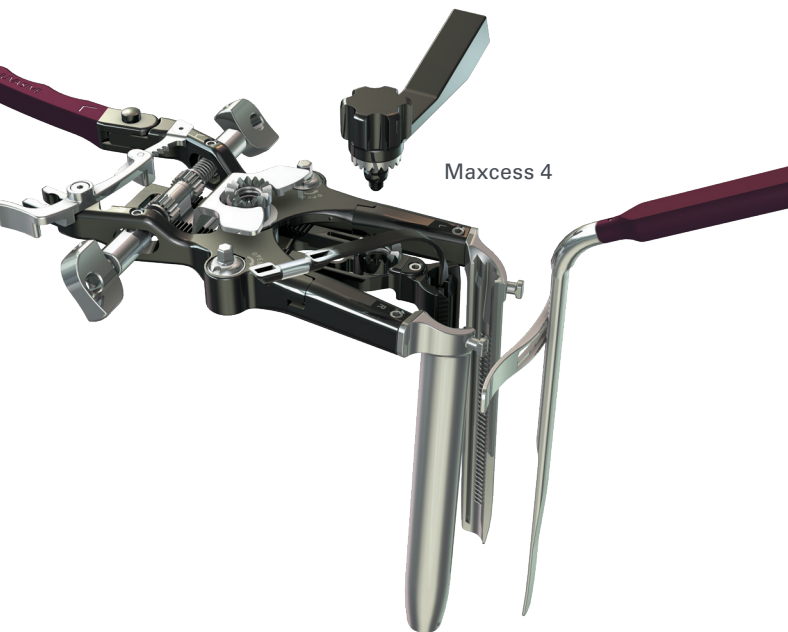


One position, one comprehensive solution

Access

Maxcess 4 and XALIF access

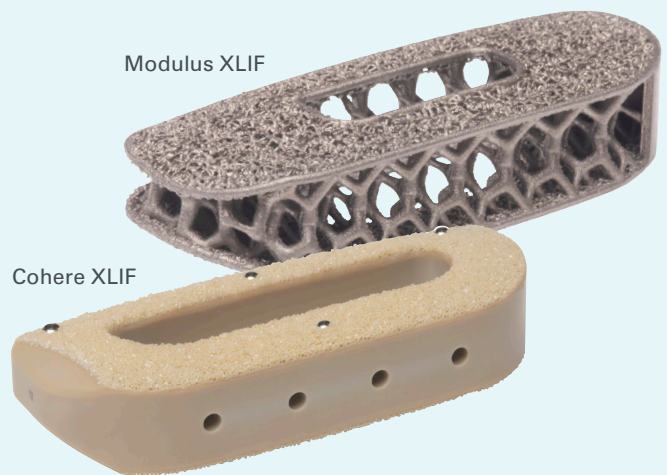
The X360 system has dependable access systems that are designed to deliver reproducible outcomes by combining strength, precision, fluoro-visibility and integrated neuromonitoring.



Interbody

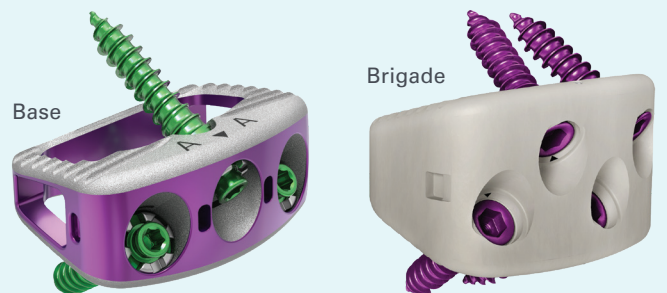
XLIF: Advanced Materials Science and smooth PEEK portfolios

Adhering to the three core principles of Advanced Materials Science, surface, structure and imaging, NuVasive has pioneered design and manufacturing methods that combine the inherent benefits of porosity with the advantageous material properties of PEEK and titanium, allowing surgeons reliable options for their X360 cases.



XALIF: Base and Brigade portfolios

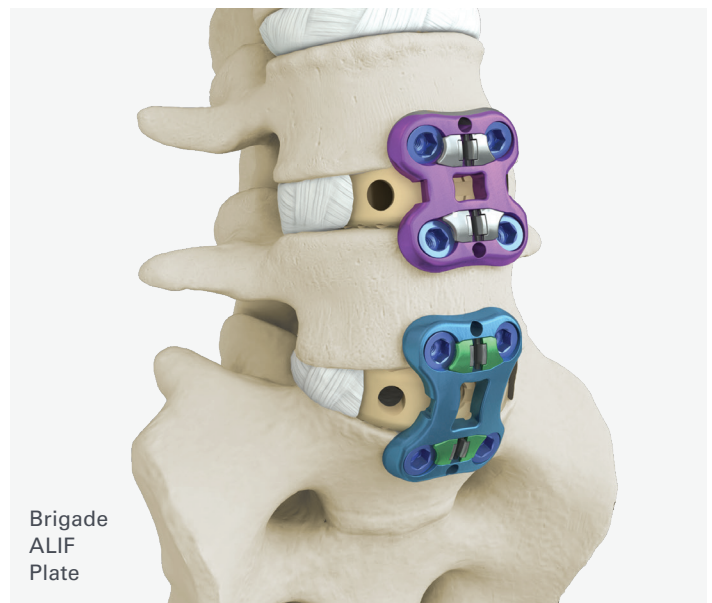
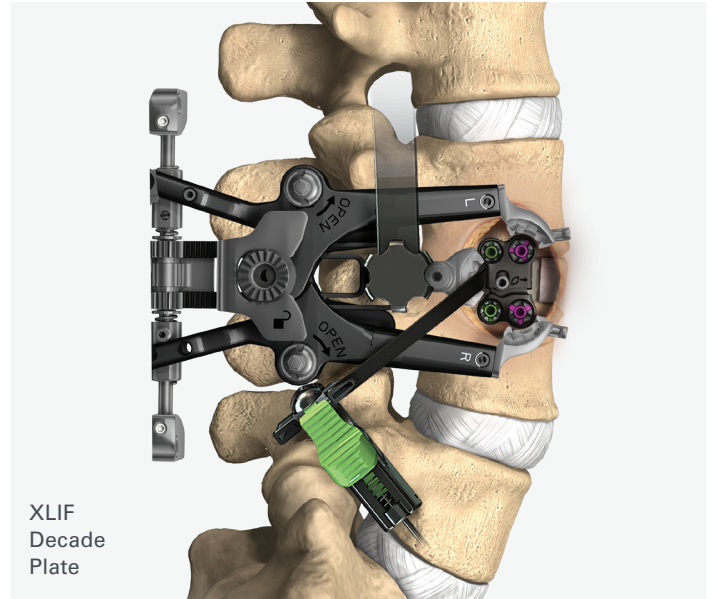
The XALIF interbody product offerings include Base and Brigade. They are specifically designed to help rebuild spinal foundation at the base of the spine based on the importance of Integrated Global Alignment.



Fixation

Reline MAS, XLIF Decade Plate and Brigade ALIF Plate fixation systems

The X360 system offers a multitude of fixation options for any patient specific need.



Biologics

Osteocel Pro and Osteocel Plus

Osteocel Pro and Osteocel Plus provide all three essential mechanisms for bone formation—osteoconduction, osteoinduction and osteogenesis.¹⁵ Osteocel, the most studied cellular allograft, is backed by more than 16 years of research and 300,000 patients treated. Its cohesive and moldable handling characteristics make it a preferred biologic.



Surgical Intelligence

NVM5: one device, multiple enabling technologies

NVM5 combines intraoperative neuromonitoring and other surgical technologies into a single platform, specifically designed to support the unique requirements of spine surgery. These enabling technologies include **neuromonitoring, global alignment and rod bending.**



Neuromonitoring



Global alignment



Rod bending

Pulse: an integrated technology platform to enable better spine surgery

In addition to the NVM5 platform, NuVasive has developed a single integrated technology platform in Pulse. Pulse integrates multiple enabling technologies to improve workflow, reduce variability and increase the reproducibility of surgical outcomes. These technologies include **neuromonitoring, global alignment, rod bending, radiation reduction,¹⁶ imaging, navigation, robotics, smart tools and other applications.***



Radiation reduction and imaging



Navigation




Robotics




Smart tools and other applications

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*Certain applications of the Pulse platform are under development and not available for commercial sale; robotics and smart tools are not cleared for use by the FDA.

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