

About OrthoXel

OrthoXel is a dynamic medical device company that was founded to create innovative orthopaedic trauma devices that are inspired by surgeons and focused on delivering superior patient outcomes. OrthoXel has an exceptional team with a vast array of experience from large multinational medical device companies, regulatory agencies, academia, clinical research, and start-up companies. OrthoXel culture is guided by a philosophy of evidence-based design. Our process integrates the best available clinical evidence and a focus on surgeon needs to develop devices that achieve technological advances without compromising ease of implantation.

What makes OrthoXel different?

OrthoXel is solely focused on improving implant design to achieve the best possible health outcomes for patients. We care passionately about our mission to restore quality of life after injury and we are committed to offering surgeons innovative and cost-effective fracture care solutions. OrthoXel have introduced the world's first intramedullary nail with controlled micromotion fixation.

The Apex Femoral Nailing System

The Apex Femoral Nailing System is FDA 510(k) cleared and is fracture fixation reinvented – the first and only femoral nailing system to feature micromotion fixation as well as recon modes for ultimate intraoperative control.

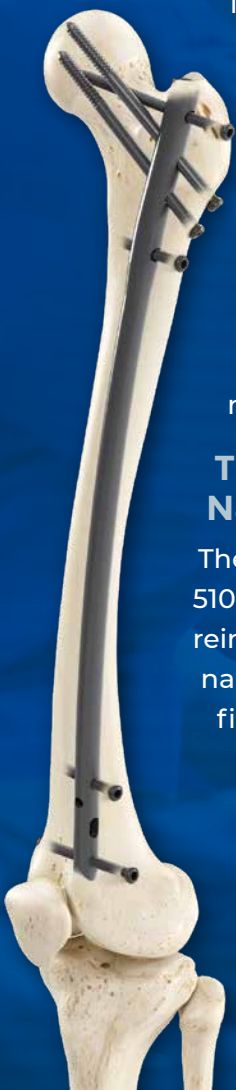
Various trajectories of advanced locking options offer unparalleled flexibility for use in a wide range of femur fracture types.

The Apex Tibial Nailing System

OrthoXel is primarily focused on the development of lower-extremity fixation devices. Five years of research and proof of principle in the Cork Institute of Technology's MEDIC Centre has led to the creation of the Apex Tibial Nailing System also FDA 510(k) cleared.

This unique nailing system features multiple locking options and is the first intramedullary nailing system in the world to introduce axial micromotion locking, which research has shown may contribute to accelerated healing time.

The state-of-the-art, reusable implantation kit allows the surgeon a seamless implantation, consistent with existing widely used surgical techniques, but with vastly improved options for the surgeon and potentially improved patient outcomes.



Gold Standard Clinical Research – Benefits of Micromotion

Our recently completed clinical study examined how the Apex Tibial Nailing System with micromotion fixation compares to the current standard of care (static locking) for treatment of tibial shaft fractures. The exciting results from this pilot study indicated superior results with Apex micromotion:

- ✓ Zero nonunions compared to control group
- ✓ 50% reduction in the rate of delayed healing
- ✓ Significantly improved early mechanical integrity of new bone

Visit www.orthoxel.com to read a summary and link to published paper in Bone and Joint Open.

Market Introduction

OrthoXel is currently focusing on commercialization for the USA, having launched in the Northeast and Midwest regions and is looking to expand into more hospitals across the United States working with distributors on the ground.

Meet Our OrthoXel Team



Pat O'Connor
Chief Executive Officer



Prof James Harty
Chief Medical Officer



Hannah Dailey
Chief Scientific Officer



Charles Daly
Chief Technical Officer



Alanna Carty
Commercial Director




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