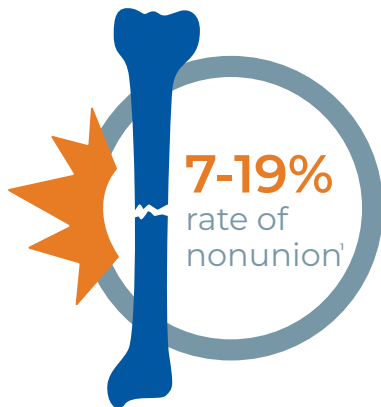
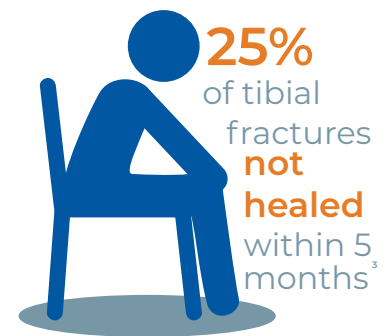


The Clinical Problem

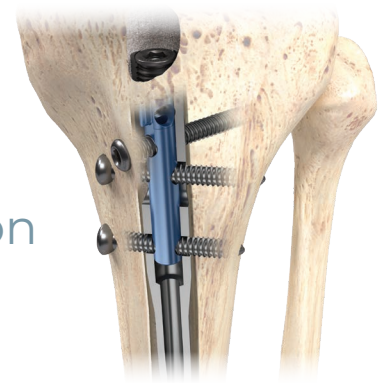


Nonunions can lead to prolonged **disability** in addition to higher rates of **depression, opioid use** and **narcotic dependency**²



The Solution

The **Apex Tibial Nailing System** promotes secondary bone healing through controlled axial micromotion with outstanding torsional stability⁴.



Supporting Evidence



Pilot study of micromotion nailing for mechanical stimulation of tibial fracture healing⁴.



APEX GROUP	CLINICAL OUTCOMES	CONTROL GROUP
0%	Nonunion	11%
	Secondary Surgery	
14%	Delayed Union	28%
	Healed Slowly > 20 weeks	
86%	Union	61%
	Healed < 20 weeks	



Faster time to union with micromotion



Higher callus rigidity at 12 weeks for high-risk patients



of Apex patients healed <13 weeks



Significantly more new bone in high-risk patients

<https://boneandjoint.org.uk/Article/10.1302/2633-1462.210.BJO-2021-0121.R1>

Apex Tibial Nailing System

The Apex Tibial Nail is the next evolution in fracture fixation – the first and only tibial nailing system to promote secondary bone healing with controlled axial micromotion and outstanding torsional stability⁴.

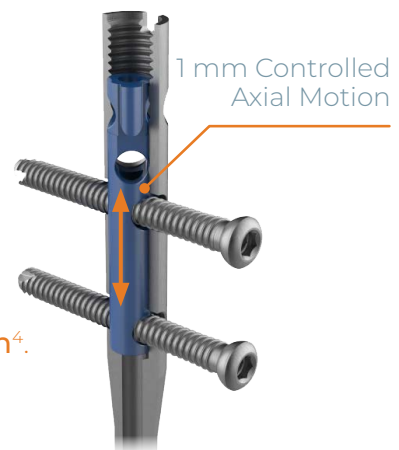
Multiple Insertion Options

allows for implantation via **both suprapatellar and infrapatellar surgical approach**. Bespoke instrumentation designed specifically for both approaches.



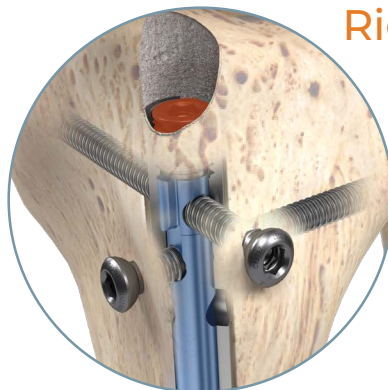
Unique Axial Micromotion

of up to 1 mm is facilitated by a patented gliding insert, contributing to a construct that is biomechanically optimised to **aid secondary bone healing by promoting callus formation**⁴.



Optional Fully Rigid Locking

achieved by insertion of **locking endcap** to clamp the insert and all placed screws.



Distal Locking Options

2 x Mediolateral Holes
1 x Anterior Posterior Hole

