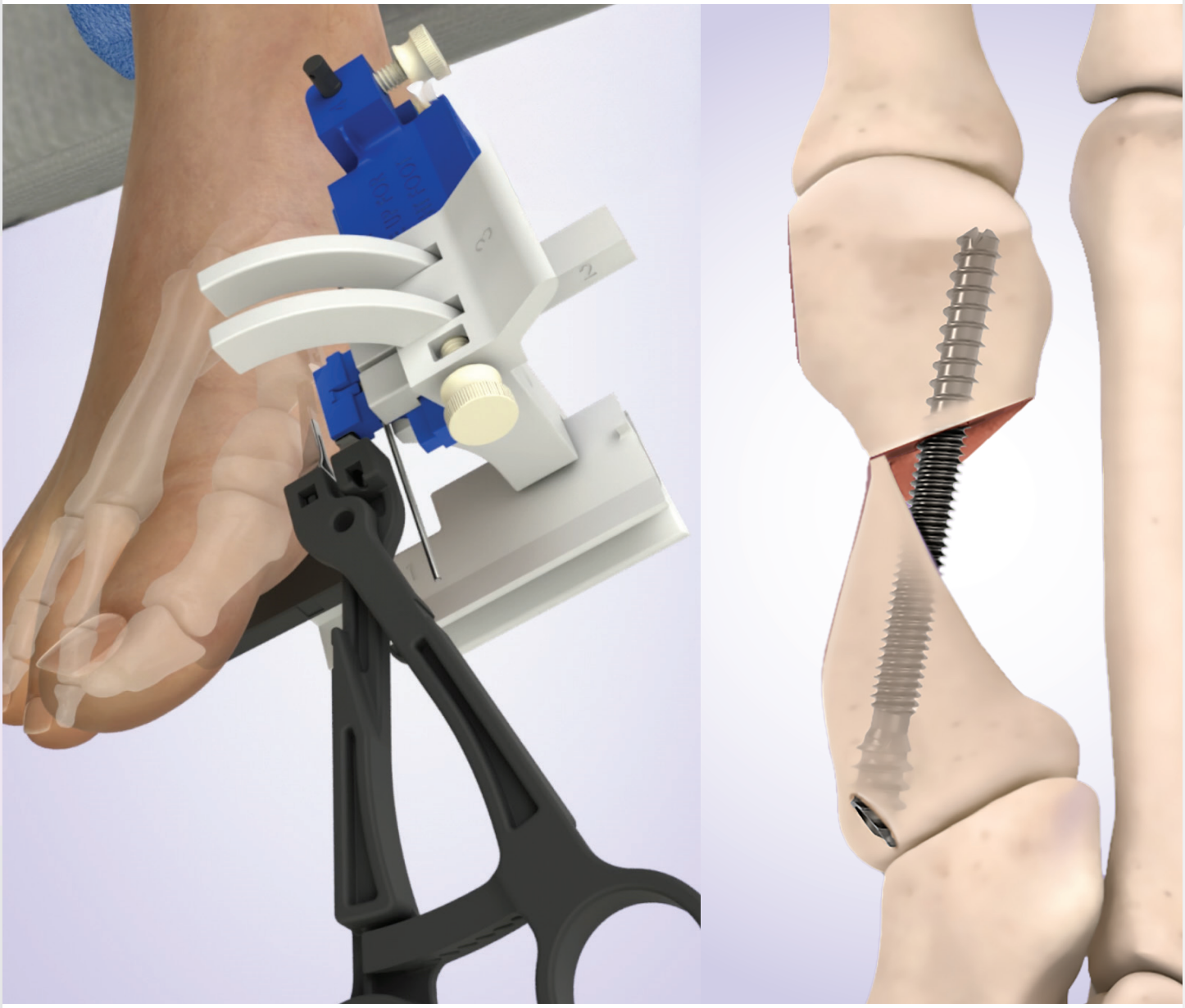
Bunionplasty®

360 BUNION REPAIR™



The No Fusion Bunion Solution™

MIBSCoPilot™
Shift + Targeting Guide

voom™
MEDICAL DEVICES

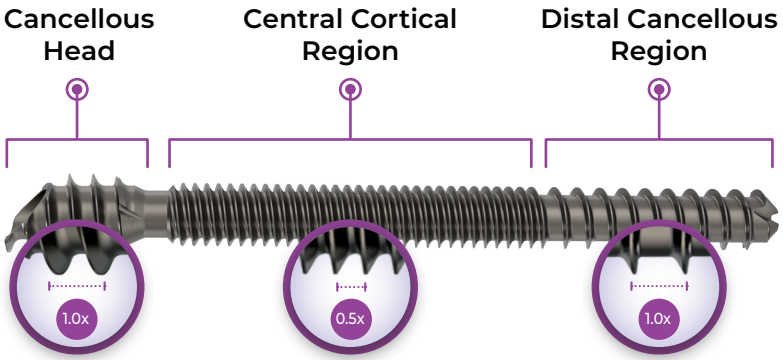
revcon™ anchor
Single Screw™

Patented Technology

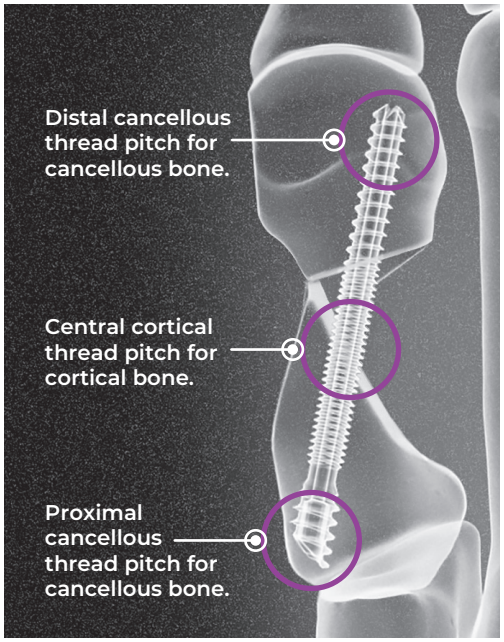
Optimized dual-zone fixation with a Single Screw™.

revcon™ anchor

Alternating **non-compressive** thread pitch zones target cortical + cancellous bone density, directly matching the bone's anatomy.[1]



US Patent Number 11,045,239 B2, 12,029,459 B2
US Patent Pending Application Number 18/518,376, 18/767,884
Learn more about our patents at: www.vooomdevices.com/patents



Proprietary Techniques

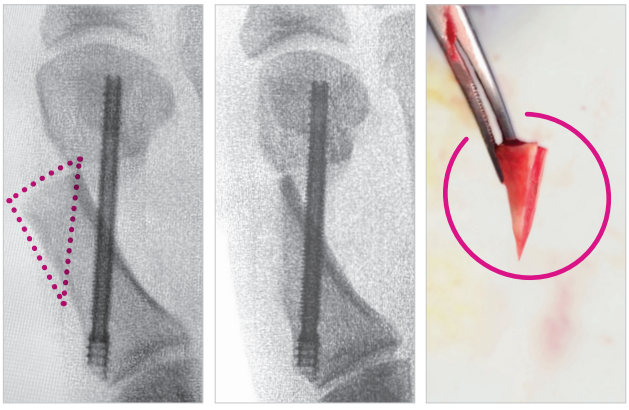
Rotational control, stability + efficiency.

Bunionplasty® | 360 BUNION REPAIR™

The **Transveron™ Osteotomy** is a proprietary, patent-pending configuration that combines the benefits of a chevron and transverse cut to create a rotationally controlled osteotomy – and encourage secondary bone healing during walking recovery.[2]

US Patent Number 12,251,116 B1
US Patent Pending Application Number 18/614,629
Learn more about our patents at: www.vooomdevices.com/patents

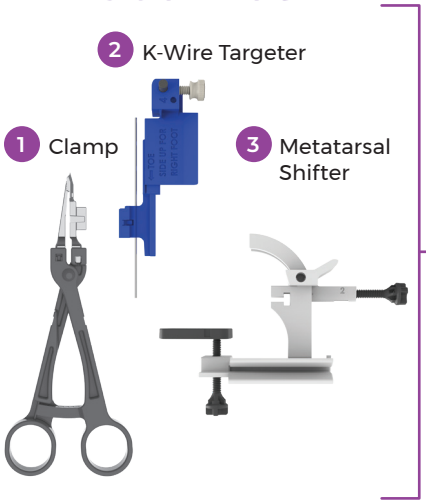
Voom's proprietary **NervPreserv™ Medial Ledge Resection Method** allows removal of the entire medial ledge in a single piece – while protecting the dorsal medial cutaneous nerve.[2]



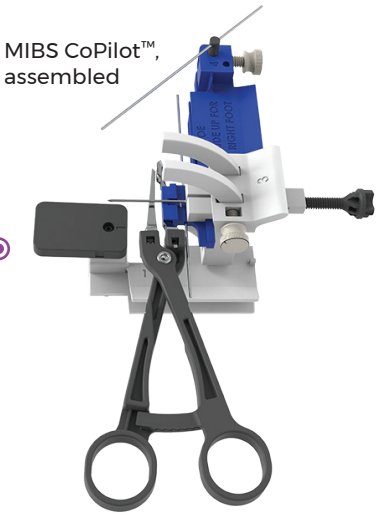
Procedural Efficiency

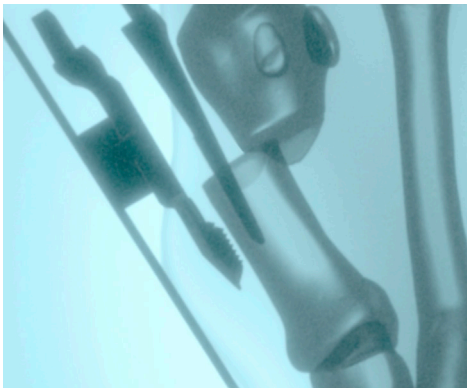
Your second set of hands for 360° Bunion Repair™.

MIBSCoPilot™



US Patent Pending

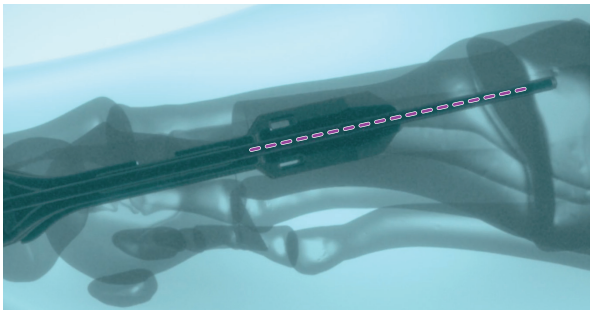


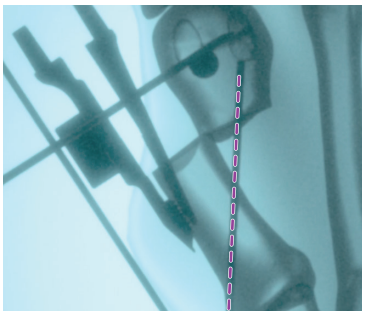


Novel clamp-to-bone interface secures the guide instead of multiple K-wires.

Set the lateral + AP implant trajectory with ease.

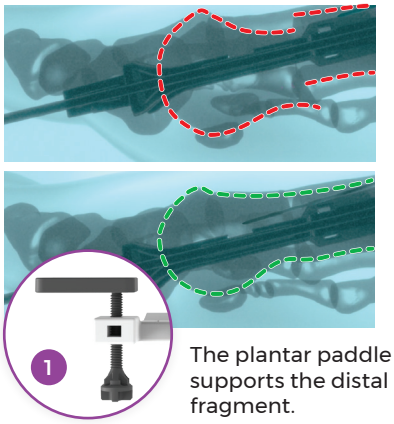
External K-wire templating allows you to set a consistent + accruate K-wire trajectory.





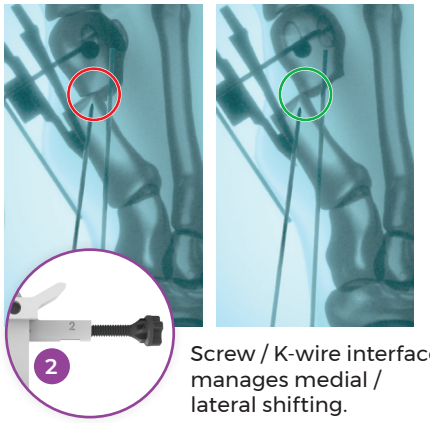
Multi-planar shift management.

Sagittal Plane



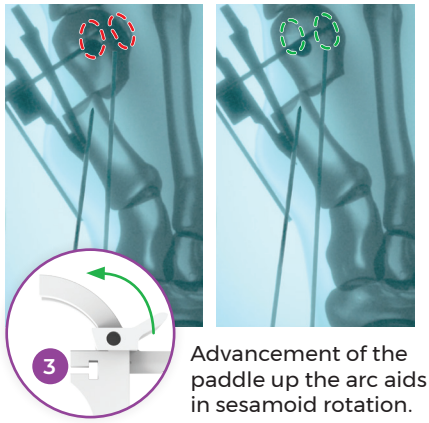
The plantar paddle supports the distal fragment.

Transverse Plane



Screw / K-wire interface manages medial / lateral shifting.

Frontal Plane



Advancement of the paddle up the arc aids in sesamoid rotation.

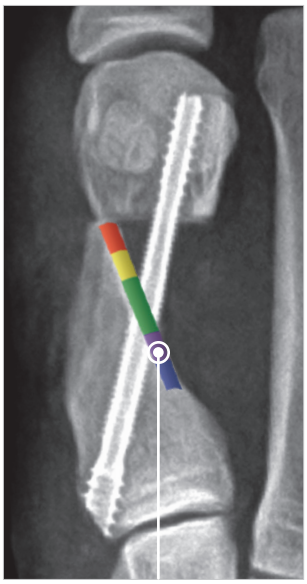
Sixth Generation MIBS

A Single Screw™ fixation construct for secondary bone healing after MIBS.

A construct that preserves the Cortical Purchase Zone (CPZ).

A sixth-generation MIBS construct pairs the Transveron™ osteotomy with a dual-zone anchor screw, allowing for a Single Screw™ solution. The Transveron™ osteotomy, with its linear lateral segment, enhances the construct's stability by maximizing the CPZ real estate surrounding the screw – which may prevent the development of instability and stress risers contiguous with the osteotomy.[1, 2]

CPZ Stability Regions



Cautionary CPZ Placement: < 2.9mm — 6.6mm

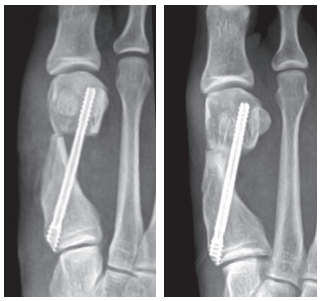
Protective CPZ Placement: 6.7mm — >17.9mm

One CPZ perforation does not violate the cautionary CPZ zone.[2]

First metatarsal regeneration (FMR) with a Single Screw™ construct.

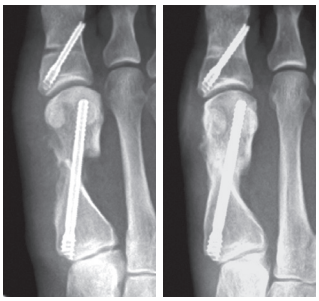
A groundbreaking MIBS study involving **147** feet defined and categorized three distinct types of FMR. All 147 feet achieved callus formation.[3]

FMR Type I 16.3%



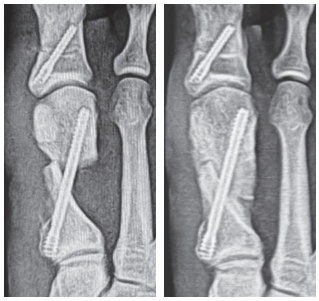
24 feet achieved callus formation medial to the anchor screw.

FMR Type II 42.9%



63 feet achieved callus formation medial and lateral to the anchor screw.

FMR Type III 40.8%



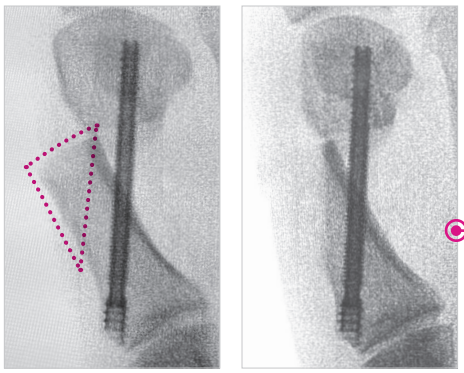
60 feet achieved robust callus formation medial and lateral to the anchor screw.

Alternative MIS Constructs

Revcon™ Anchor Single Screw™ versus alternative solutions.

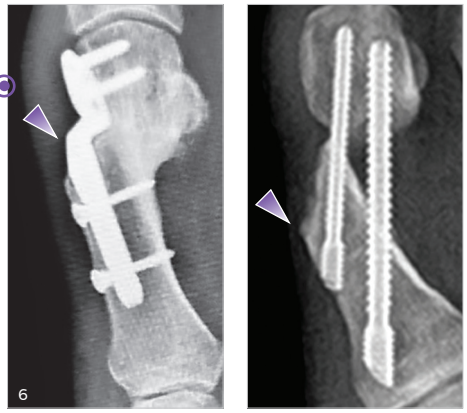
Pseudobunions are a painful complication caused by residual medial ledge.[4]

Revcon™ Anchor



Prominent medial hardware reduces the surgeon's ability to fully resect the medial ledge.

The Revcon™ Anchor Single Screw™ provides the opportunity for greater resection of the medial ledge.



Two-screw constructs may compromise the cortical purchase zone (CPZ).

Two CPZ perforations is more at-risk for contiguation fracture between the screws and the osteotomy.[2]

Immediate Post-Op

Metatarsal Fracture

Two-screw constructs are inherently more rigid and may lead to a delayed or failed first metatarsal regeneration (FMR).[3]

FMR is secondary bone healing. The Revcon™ Anchor Single Screw™ construct permits the appropriate amount of micromotion to stimulate callus formation. Two screw constructs may restrict micromotion, which may inhibit the body's signal to conduct secondary healing.

2-Screw Construct

Minimal callus formation.

Revcon™ Anchor

Robust callus formation.

*Individual results may vary.

Revcon™ Screw System - Sterile Packed

A sterile system ready to go when you are.

Anchor 4.0mm

revcon™ anchor

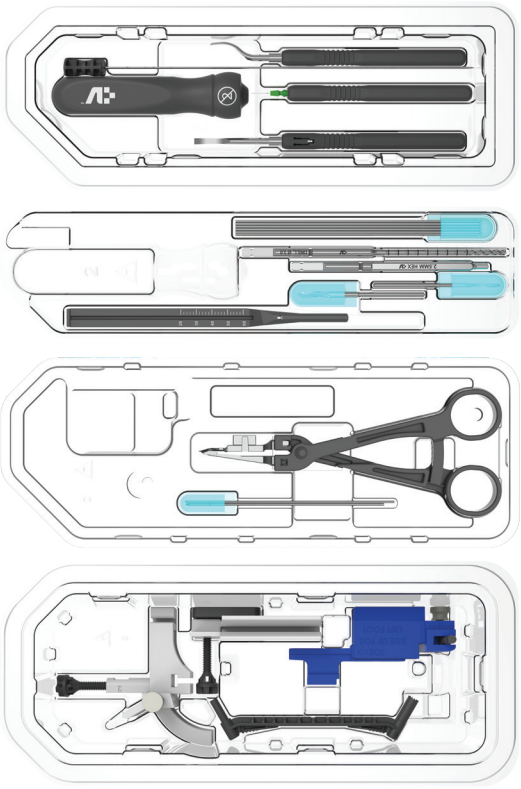
46mm - 48mm	RSA40XX-S	2
50mm - 56mm	RSA40XX-S	4
58mm - 60mm	RSA40XX-S	2

Neutra 3.0mm

revcon™ neutra

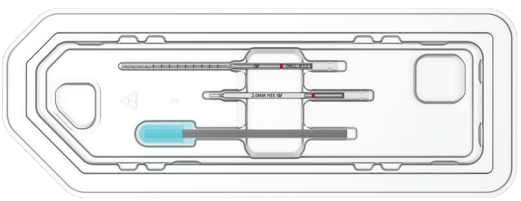
20mm - 30mm	RSN30XX-S	3
36mm - 48mm	RSN30XX-S	2

4.0mm Instrument Kit



Part No.	Description	Qty.
RIK40-S	Revcon™ Instrument Kit, 4.0mm, Sterile	1
	Instrument Kit Components	
	Axial Handle, Cannulated	1
	Elevator, Curved	1
	Elevator, Straight	1
	Depth Gauge	1
	Beaver Blade Assembly	1
	Drill, Cannulated, 3.0mm	1
	Hex Driver, Cannulated, 2.5mm	1
	Shannon Bur, 2.0mm x 16mm	1
	Wedge Bur, 3.1mm x 13mm	1
	Wire Pusher	1
	K-wire, 1.4mm x 127mm	6
	Guide Clamp	1
	K-wire, Smooth Tip	2
	K-wire, 1.6mm	1
	Drill Sleeve / Tissue Protector	1
	Guide Rail / Wire Targeter Assembly	1
	Metatarsal Shifter Medial Component	1
	Metatarsal Shifter Plantar Component	1

3.0mm Instrument Kit



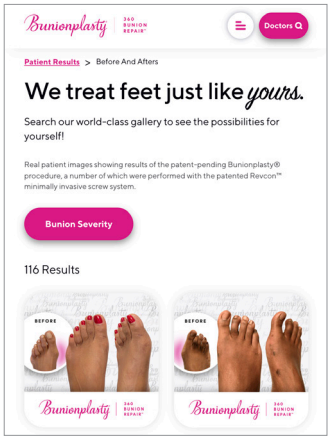
Part No.	Description	Qty.
RIK30-S	Revcon™ Instrument Kit, 3.0mm, Sterile	1
	Instrument Kit Components	
	Hex Driver, Cannulated, 2.0mm	1
	Drill, Cannulated, 2.2mm	1
	K-wire, 0.9mm x 127mm	6

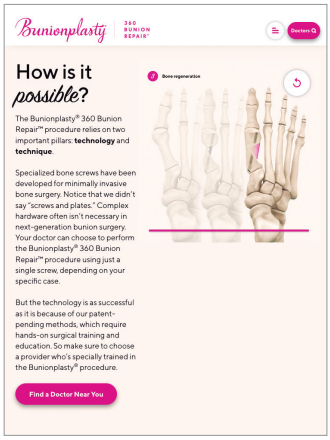
Additional Information

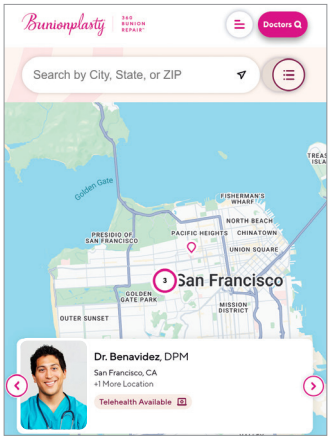
Where can patients find information about the procedure?

Patients can visit Bunionplasty.com for:

- Largest Before + After Gallery
- Brilliant Reveals + Patient Testimonials
- Procedural + Recovery Information
- Surgeon Locator



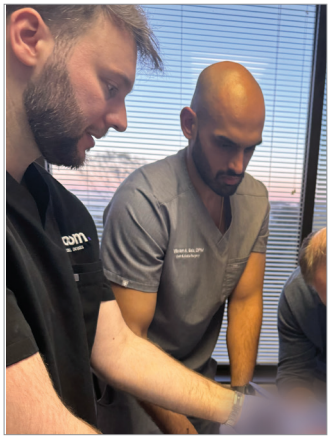




How do I become a Bunionplasty® Procedure provider?

Train with us.

We provide an intimate peer-to-peer experience deisgned to shorten the learning curve and provide you with confidence. Contact your local representative to start your Bunionplasty® journey.



References

[1] Blitz NM, Grecea B, Wong DT, et al. Defining the cortical purchase zone in new minimally invasive bunion surgery. A retrospective study of 638 cases. J Min Invasive Bunion Surg 2024;1:92777.

[2] Blitz NM. New Transveron™ Osteotomy and Single Dual-Zone Fixation: Sixth Generation Minimally Invasive Bunion Surgery. Foot Ankle Surg: Techn, Rep Cases. 2025;5(1): 100477.

[3] Blitz NM, Wong DT, Grecea B, et al. Characterization of first metatarsal regeneration after a new modern minimally invasive bunion surgery. A retrospective radiographic review of 172 cases. J Min Invasive Bunion Surg 2024;1:92756.

[4] Grecea G, Blitz NM. Pseudobunion: A new unfortunate result after new minimally invasive bunion surgery. A retrospective radiographic review and case series of 17 feet. Foot Ankle Surg: Techn, Rep Cases 2025;5(3), 100521

[5] Blitz NM, Wong DT, Baskin ES. Patterns of metatarsal explosion after new modern minimally invasive bunion surgery. A retrospective review and case series of 16 feet. J Min Invasive Bunion Surg. 2024;1:92774.

[6] Image provided by Vikram Bala, DPM, FACFAS with permission.

Learn the revolutionary Bunionplasty® 360 Bunion Repair™ procedure.

Minimally invasive bunion surgery (MIBS) with Single Screw™ fixation.

voom™
MEDICAL DEVICES