

microMIIG[®] HV

Injectable Bone Grafting
for Distal Radius Fractures

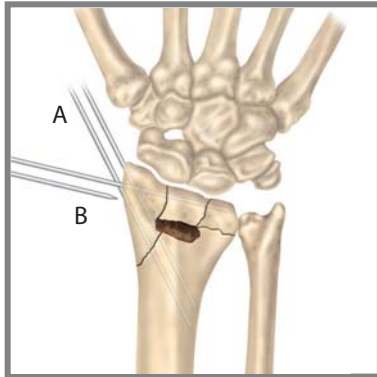
Small Gauge Needle. Precision Delivery.
Extended Work Time Formulation.



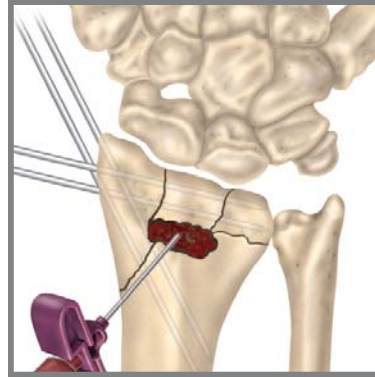
WRIGHT.

**Surgical
Technique**
- abbreviated

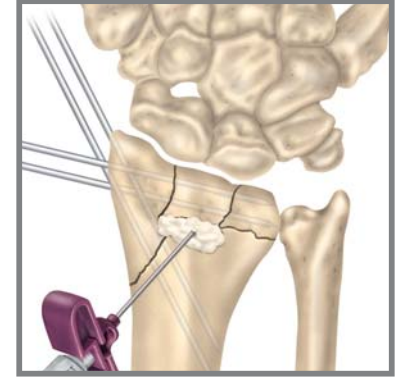
Using microMIIG® HV Graft with K-wires Fixation Pins Approach



STEP ONE
Stabilize the fracture with percutaneous K-wire construct that is suitable to stabilize the fracture pattern. (A and B)



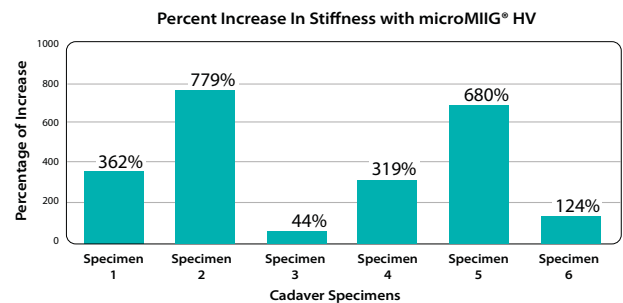
STEP TWO
Once the fracture is reduced and stabilized, the metaphyseal void can be accessed through a small longitudinal incision or percutaneously with the small gauge needle. Once the cannula is properly placed, flush with 2cc's of normal saline to aid in evacuation of hematoma. Xylocaine can be added to the saline if deemed necessary.



STEP THREE
After 60 seconds of mixing, dock the syringe onto the pre-placed needle and begin injection. A gentle windshield-wiper motion assists in the completion of filling. Injection should be completed within 5 minutes of mixing. Product will set in approximately 22-30 minutes *in situ*.

A Breakthrough In Less Invasive Bone Grafting

A series of six matched-pair cadaveric radii (twelve total) were evaluated for axial stiffness. In all six cases, after 24 hours of curing, MIIG HV produced an increase in stiffness compared to the technique using K-wires alone. Using MIIG HV Graft in conjunction with K-wires in the distal radius increased axial stiffness by a minimum of 44%. This is approximately a 5-fold increase.*



Proper surgical procedures and techniques are the responsibility of the medical professional. The following guidelines are furnished for information purposes only. Each surgeon must evaluate the appropriateness of the procedures based on his or her personal medical training and experience. Prior to use of the system, the surgeon should refer to the product package insert for complete warnings, precautions, indications, contraindications and adverse effects. Package inserts are also available by contacting Wright Medical Technology, Inc.

**microMIIG® HV is not intended for use as a substitute for hardware fixation, and is not intended to be relied upon for post-operative structural support.*



**Surgical
Technique**
- abbreviated

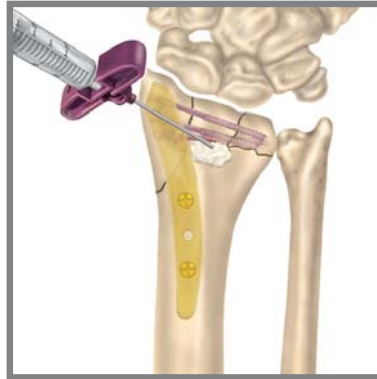
Using microMIIG® HV Graft with MICRONAIL™ Distal Radius Implant

MICRONAIL™ Intramedullary Radius Implant Approach

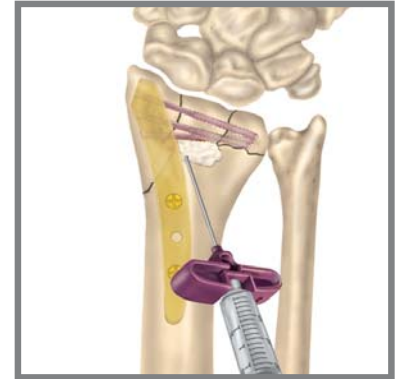
This void can be accessed percutaneously or by one of two methods via the MICRONAIL™ Implant insertion incisions.



STEP ONE
Identify radius metaphyseal void after MICRONAIL™ Implant insertion.



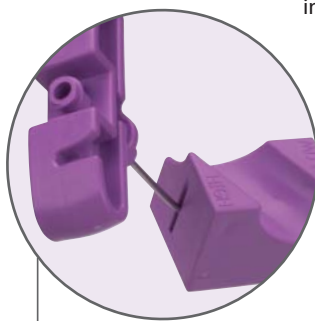
STEP TWO (Method 1)
Contour the needle with the provided needle bender and go over the distal aspect of the implant, if room allows, to fill the void.



STEP TWO (Method 2)
Retract or extend the proximal screw insertion incision to inject directly into the void. Injection should be completed within 5 minutes of mixing. Product will set in approximately 22-30 minutes *in situ*.

microMIIG® HV Injectable Bone Grafting Kit

Minimally-Invasive Distal Radius Fixation and Grafting have been developed for less-invasive fracture treatment in contained metaphyseal defects with open or closed reduction. The injectable graft hardens inside the body, while demonstrating reliable resorption and replacement by bone.



Precision delivery
(Convenient needle bender included)

Optimized for
remote access locations

Deliver graft through
fracture lines

Extended work time formulation



Small gauge needle (16 Ga)

ORDERING information

Minimally-Invasive Distal Radius Fixation and Grafting



microMIIG HV®
Injectable Bone Grafting
for Distal Radius Fractures
84X50404



MICRONAIL®
Intramedullary Radial Fixation System
5941 Kit 1 / Kit A



**For open reduction, internal
fixation, try**

ALLOMATRIX® DR Graft 3cc
Semi-Structural Graft
86DR-0300



LOCON-T®
Low Profile Dorsal Plate
2490 Kit 1 / Kit A



LOCON® VLS
Volar Locking Plate
7900 Kit 1 / Kit A



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Covered by one or more of the following patents.
US Patents 5,614,206; 5,807,567; 6,030,636. Patents pending.
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