



DVR® Anatomic Plating System

DVR Anatomic Plating System

Restoring Motion

The introduction of the DVR revolutionized the way surgeons treat distal radius fractures. Today, the DVR Anatomic Plating System continues to lead the way by restoring motion to patients around the world.

The secret of the DVR Anatomic's success lies not only in its innovative design and pioneering surgical approach, but in the inspired features that continue to be refined and improved.



Defining Features

In the years since it was first introduced, the DVR Anatomic has provided its ideal combination of innovative features. Each one is impressive in its own right, but when combined, they work together beautifully to create an integrated system designed to provide for efficiency, accuracy, stability and a natural fit.



ANATOMIC DESIGN



F.A.S.T. GUIDE INSERTS



PROPRIETARY PEG DISTRIBUTION



REFERENCING K-WIRES FOR PROVISIONAL FIXATION

DVR Anatomic Plating System

The Natural Fit

Anatomic Design

The DVR Anatomic is designed to embrace the natural shape of a distal radius with every bend and angle creating an anatomic fit¹.

The DVR Anatomic provides both form and function in the treatment of distal radius fractures. The distal aspect of the plate is designed to match the watershed line, providing a guide for optimal positioning. Flexor tendon contact and irritation has been associated with plates positioned distal to the watershed line. The natural design makes it possible for the DVR Anatomic to aid as a reduction template. Feel the natural fit with the DVR Anatomic's design.



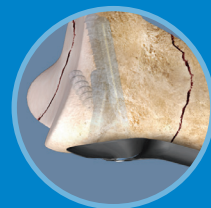
Shaped For Stability

The asymmetrical shaping is designed to provide optimal buttressing of the ulnar quadrant to stabilize the distal radioulnar joint.



Anatomic Design

The contoured plate is designed to respect the watershed line and provide a visual guide for optimal placement.



Aids In Reduction

The plate design follows the distal radius, allowing it to be used as an aid for anatomic reduction.

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Efficiency

F.A.S.T. Guide Technology



In the surgical suite, where every second counts, ease of use equals time efficiency.

The DVR Anatomic Plating System is designed to make the most of OR time with easy-to-use F.A.S.T. Guide Technology. This proprietary technology creates efficiencies in drilling through the use of ingenious, single-use, disposable drill guides which are pre-loaded to eliminate intraoperative assembly and save even more time. In addition, color-coded guides make for easy plate identification, while the low profile design allows maximum viewing of the surgical site, again supporting productivity. Gain efficiency with the DVR Anatomic's F.A.S.T. Guide Technology.

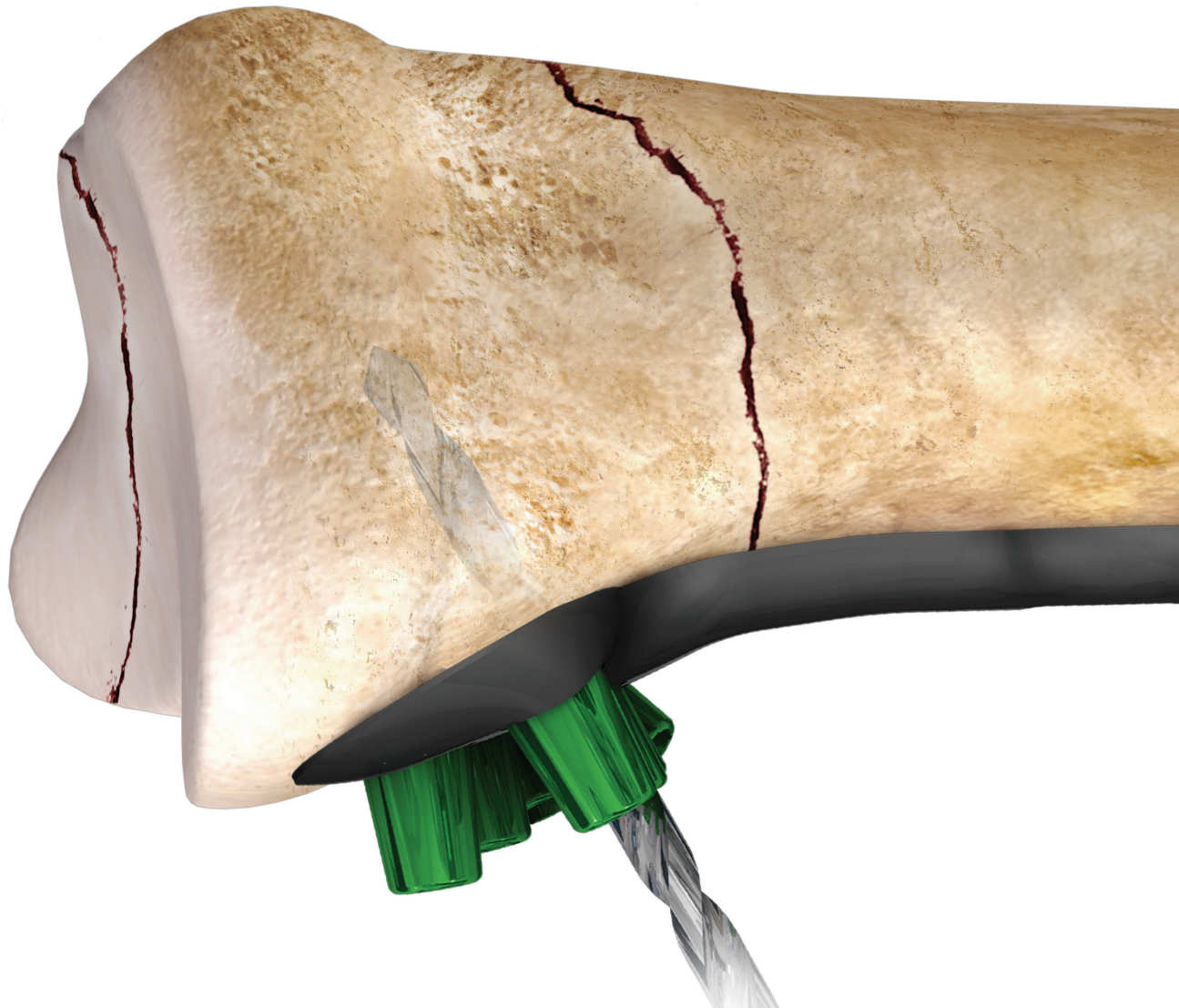
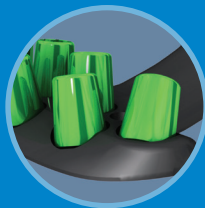


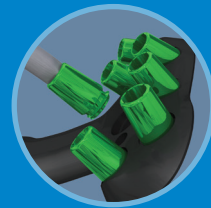
Plate Identification

Color-coded drill guides indicate a left (lime pegs) or right (red pegs) plate.



Maximum Exposure

Low profile drill guides provide maximum exposure to the surgical site, eliminating the need for bulky targeting guides.



Single Use

Drill guides designed for single use and are disposed of following removal.

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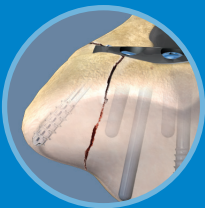
Distal Radial Support

Scaffold of Support



The DVR Anatomic provides stability through an intricate pattern of screw trajectories.

Two rows of diverging and converging pegs work seamlessly together to create a three-dimensional scaffold that supports both the volar and dorsal aspects of the distal radius without violating the watershed line. Working in unison, the distal row supports the volar aspect up to the central region where the proximal row takes over and supports through to the dorsal aspect, providing stability and support of subchondral bone. Experience stability with the DVR Anatomic's proprietary peg distribution.



Optimal Support

Optimized radial styloid peg angle helps to capture and support radial styloid fragments.



Solid Fixation

Locking pegs and screws provide a strong peg-to-plate interface.



Three-Dimensional Scaffold

Intersecting proximal and distal rows form a proprietary three-dimensional scaffold providing added support of the articulating surface.

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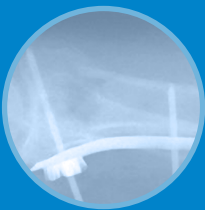
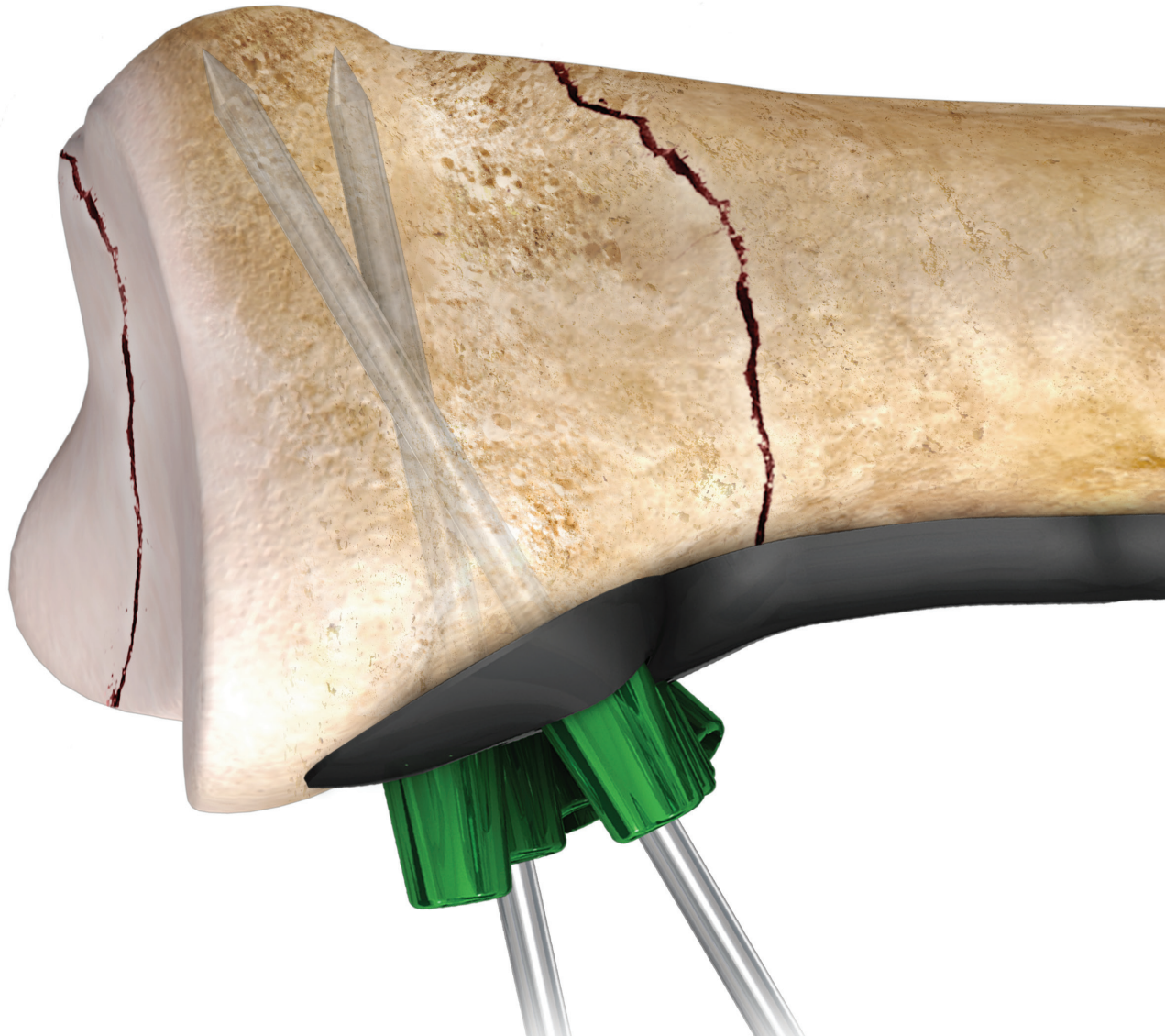
Accurate Referencing

Provisional Fixation



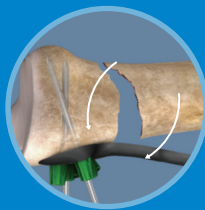
The DVR Anatomic provides convenience by aiding in plate position in distal radius fracture repair with fixed angle K-wires.

Used to reference the peg distribution, the K-wires offer optimal provisional plate positioning to help achieve accurate placement. The pre-defined K-wire fixation holes are placed both distally and proximally, aiding in initial placement and providing a visual aid that the peg position is not impinging on the carpus. Other advantages include maintaining fracture stability and providing provisional peg positioning in subchondral bone.



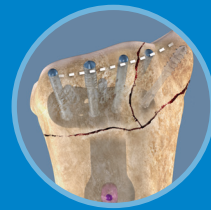
Referenced Peg Distribution

During traditional acute fracture fixation, the K-wire hole is used to reference peg distribution so the pegs will follow the natural distal radius curvature and provide buttress without penetrating the joint space.



Volar Tilt Restoration

The distal first technique can be used by referencing K-wires for restoration of the volar tilt in revision procedures.



Radial Inclination Restoration

The fixed angle k-wire hole aids in plate positioning, allowing the strategically designed peg trajectories to restore anatomic radial inclination.

References

1. Techniques in Hand and Upper Extremity Surgery 8(3):142–148, 2004 © 2004 Lippincott Williams & Wilkins, Philadelphia Volar Fixed-Angle Fixation of Distal Radius Fractures: The DVR Plate Jorge Orbay, MD, Alejandro Badia, MD, Roger K. Khoury, MD, Eduardo Gonzalez, MD, and Igor Indriago, MD
2. Orthopaed Traumatol (2013) 14:227–234 DOI 10.1007/s10195-013-0245-z Flexor tendon injuries following plate fixation of distal radius fractures: a systematic review of the literature
3. Saeed Asadollahi • Prue P. A. Keith Received: 23 June 2012 / Accepted: 18 April 2013 / Published online: 14 May 2013 The Author(s) 2013. This article is published with open access at Springerlink.com

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BMET0012.3-GBL-Issue Date 2025-03
VV-11483



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