The Virage System is an Occipital-Cervico-Thoracic (OCT) spinal fixation system featuring the innovative 360° Omnidirectional Extreme-Angle Screw that simplifies rod alignment and minimizes operating time.
The Virage OCT System offers a new approach to posterior fixation surgery through Zimmer Biomet’s Omnidirectional Extreme-Angle Screw. Built to deliver efficient results in the operating room, this system works to address challenging patient anatomies.
Engineered for Performance

**Flexibility**
- The Virage OCT System offers the widest range of screw diameters for use in longer constructs.
- Omnidirectional screw allows for 112° of conical range of motion and facilitates optimal screw placement.
- Multiple rod options include rod adjustability with 64° to 180° range of motion, which eliminates the need for bending.
- Head-to-head connectors provide multi-planar motion, allowing for off-axis screw head positioning.

**Efficiency**
- Double-lead screw accelerates insertion.
- Omnidirectional screw simplifies rod placement and minimizes operating time.
- Friction-fit head holds the desired rod position and facilitates rod placement.

**Safety**
- Varying thread forms maximize screw interaction with various bone densities.
- The Virage OCT System has demonstrated to have increased pull-out strength when compared to competitive systems.¹
The Process

- Screw is placed in desired anatomical location
- Screw head is aligned to the ideal rod plane
- Screw head is rotated
- Rod is placed
Head-to-Head Transverse Connectors

Head-to-Head Transverse Connectors (HHTC) provide multi-planar motion, allowing for off-axis screw head positioning.

Screw Specifications

Pull-out Strength
Polyaxial Screw Pull-out (ASTM F543)

<table>
<thead>
<tr>
<th></th>
<th>Virage</th>
<th>Competitive Device</th>
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</thead>
<tbody>
<tr>
<td>Pull-out Strength</td>
<td>140%</td>
<td>100%</td>
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</table>

Test demonstrates amount of screw purchase and pull-out strength compared to the competitors. The Virage OCT System has demonstrated to have increased pull-out strength when compared to competitive systems.

Housing Strength
Polyaxial Screw Extreme-angle Housing Pull-off (ASTM F1798)

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>Pull-out Strength</td>
<td>180%</td>
<td>100%</td>
</tr>
</tbody>
</table>

The Virage OCT System screw housing has demonstrated increased strength when compared to competitive housing designs.

1. Test data on file at Zimmer Biomet Spine, Inc.