**VerteStable®**

Vertebral body stabilisation with Vertebroplasty

<table>
<thead>
<tr>
<th>Article</th>
<th>Quantity</th>
<th>Art.-No.</th>
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<tbody>
<tr>
<td>VerteStable® Sets</td>
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<tr>
<td>VerteStable® mini 3.00 (11G) x 125 mm</td>
<td>2</td>
<td>458030</td>
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<tr>
<td>VerteStable® mini 3.00 (11G) x 150 mm</td>
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<tr>
<td>VerteStable® Components</td>
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<td>VerteStable® SIS</td>
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<tr>
<td>VerteStable® cannula 3.00 (11G) x 125 mm</td>
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</table>
Vertebral fractures can be treated with a minimally invasive application of bone cement. VerteStable® mini allows a cement filling of vertebral bodies with only one hand. Thus, VerteStable® mini offers a perfect pressure control and leakage reduction especially with the filling of small bone defects.

Bone pain originates by an increasing instability of the bone that leads to deformations of it. On the one hand the pain emergence due to the fracture itself but also due to the irritation of the surrounding periosteum. Because this periosteum is been fed by many „pain nerves“, the patient senses pain. By using Vertebroplasty the lost bony structure is been compensated by bone cement, fragments are re-connected and the bone is stabilized from the inside. Thereby the painful deformation is prevented and the patient experiences a fast and long-lasting pain relief.

Prof. Dr. med. Johannes Hierholzer
Chief physician of the diagnostic and interventional radiology
Ernst-von-Bergmann Clinic, Potsdam, Germany

VerteStable® single components

VerteStable® SIS
- Syringe with 3 ml capacity
- Ergonomical design and self-explanatory handling
- Operation with only one hand
- Significantly longer application times compared to conventional polycarbonate syringe
- Reduced risk of leakage by direct and perceptible force transfer
- Standard Luer connection for all standard vertebroplasty components

VerteStable® application cannula
- High stability (wall thickness 0.375 mm)
- Smooth edge
- Supplementary guide to penetration depth with engraved cm markings with 5 and 10 marks
- Low resistance during cement application with smooth internal cannula wall
- Good guiding properties with electropolished cannula surface
- The notch at the mandrin head enables the position of the cannula point to be located
- The solid metal attachment of cannula and mandrin withstands the impact of a surgical hammer
- Luer Lock connection for standard syringes

VerteStable® needle holder
(only available in the set VerteStable® mini)
- Reduced exposure due to longer distance to radiation source
- An anaesthetic cannula can be locked with or without syringe
- Avoidance of interfering X-ray shadows
- Assistance with removal of mandrin after cannula is correctly positioned
- Can be used for easy removal of cannula after application of cement

VerteStable® mixing beaker & spatula
(only available in the set VerteStable® mini)
- Convenient mixing of the cement
- Effective mixing of cement components
- PMMA – resistant material

VerteStable® mini - Set Components

<table>
<thead>
<tr>
<th>Component</th>
<th>Quantity</th>
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<tr>
<td>VerteStable® mixing bowl &amp; spatula</td>
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<td>VerteStable® SIS</td>
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<td>VerteStable® cannula</td>
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<td>VerteStable® needle holder</td>
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VerteStable® contains a minimally invasive application system for the treatment of vertebral compression fractures.