AVAmax® System
Advanced Vertebral Augmentation

AVAflex™
Curved Vertebral Augmentation Needle
Welcome to a bold new world of precision and flexibility.

The AVAmax® Advanced Vertebral Augmentation System offers you advanced control in vertebroplasty instrumentation. The AVAmax® system features a standard, fully integrated procedure tray plus a variety of handle/stylet kits (sold separately), providing custom components to suit specific clinical needs.

The AVAmax® System features two integrated component steps for maximum clinical versatility and control.
1. AVAmax® Procedure Tray and Extra-level Tray
2. AVAmax® Handle/Stylet Kits and Needles, including the curved AVAflex™ needle

The standard AVAmax® procedure tray is compatible with a variety of complementary handle/stylet kits (sold separately on page 6) to offer clinical flexibility and utility. Levels can be added easily with the optional extra level tray.

AVAmax® Radiopaque Bone Cement

Long working time
The exclusive AVAmax® radiopaque bone cement is engineered to have a long working time, allowing for enhanced procedural flexibility. The long working time also helps users avoid the need to mix additional cement due to premature setting. Once in the body, however, the AVAmax® radiopaque bone cement sets quickly, so patient mobility is not compromised.

Excellent visibility
The AVAmax® cement formulation has excellent radiopacity due to the dualimaging matrix of the barium sulfate particles. This allows for superb visualization of cement flow and contrast under live imaging.

Ordering information

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<thead>
<tr>
<th>Reference</th>
<th>Description</th>
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<tr>
<td>BCPM003</td>
<td>AVAmax® radiopaque bone cement</td>
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AVAmax® Coaxial Cement Tube

Consistent, controlled injections and clean cannula removal
The AVAmax® procedure tray features a unique, coaxial cement tube that extends through the access cannula as a liner. Cement is delivered into the vertebral body from the very first turn because the coaxial cement tube is primed prior to insertion.

If the procedure requires multiple injections, the coaxial cement tube makes it easy and fast to switch injections from one cannula to another without leaving cement behind.

Photo is enlarged for illustration purposes.
The comprehensive AVAmax® procedure tray includes the AVAmax® bone cement delivery system and AVAmax® radiopaque bone cement with mixing components. A single AVAmax® procedure tray is compatible with both the standard 11G and 13G access cannulas, along with a variety of complementary handle/stylet kits (sold separately on page 6) to provide clinical flexibility and utility.

**AVAmax® procedure tray components:**
- Radiopaque bone cement
- Funnel
- Seal-less syringe, 20cc
- Monomer dispersement cannula
- Mixing vial
- Ampoule disposal vial
- Spatula
- Stainless steel coaxial cement tube, 11G
- Stainless steel coaxial cement tube, 13G
- Cement delivery injector
- Cement barrel
- PEEK cement delivery tube
- Stainless steel forceps, 14”
- Mallet

**AVA-tex™ Delivery System**

**AVA-tex™ Kit tray components:**
- Cement delivery injector
- Cement barrel
- PEEK cement delivery tube

**Ordering Information**

Reference: BCT00CT
Description: AVAmax® procedure tray
Qty. Ea: 1
Qty. Cs: 5

Reference: AVT00BT
Description: AVA-tex™ kit
Qty. Ea: 1
Qty. Cs: 5
AVAflex™ Curved Vertebral Augmentation Needle

The AVAflex™ curved vertebral augmentation needle allows for targeted cement placement. AVAflex™ gives clinicians maneuverability and flexibility unmatched by traditional straight cannulas.

The AVAflex™ needle is made from nitinol, a unique, super-elastic composite consisting of nickel and titanium, often used for interventional devices such as flexible stents. The ultra-flexible qualities of nitinol allow the curved AVAflex™ needle to target areas that a straight cannula might not be able to reach.

Features include:
- Low-profile, universal handle preloaded with a sharp, trocar-tip stylet for cortical penetration
- Nitinol needle for inner maneuverability and flexibility
- Radiolucent design
- Tapered cannula to provide a smooth transition from stylet tip to outer cannula
- Probe for clearing the cannula

Each curved injection needle kit includes one universal handle (preloaded with trocar-tip stylet), one nitinol needle, a swivel Luer lock and one cannula probe.

Ordering Information

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Size</th>
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<tr>
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AVAmax® Coaxial Bone and Vertebral Body Biopsy Needles

The AVAmax® coaxial bone and vertebral body biopsy needles allow for easy access and penetration into the bone. It comes packaged with the corresponding AVAmax® handle preloaded with a sharp, trocar-tip stylet.

Biopsy needle features include:
- The Franseen-type, triple-crown tip design to aid in consistent core samples
- Centimeter depth markings indicate distal tip exposure and assist in sample size verification
- Needle length that provides up to a 3cm extension beyond the distal tip of the cannula
- Low-profile, transparent Luer lock hub
- 10cc locking syringe to create negative pressure helping to retain the core sample
- Radiolucent design
- Blunt-tip probe to aid in core sample removal

Each coaxial bone biopsy needle kit includes one universal handle (preloaded with trocar-tip stylet), one bone biopsy needle, a 10cc locking aspiration syringe and one specimen retrieval probe.

Ordering Information

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<td>14G bone biopsy needle</td>
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<td></td>
<td>15.5G bone biopsy needle</td>
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Your choice of cannulas

The AVAmax® system offers three types of traditional access for vertebroplasty, including a coaxial bone and vertebral body biopsy needle—providing clinical flexibility and utility.

AVAmax® Standard Handle/Stylet Kits

AVAmax® handles and stylets are designed to provide easy access to the vertebral body. The handle and stylets are available in a convenient kit.

**Features include:**
- Low-profile, universal handle preloaded with a sharp, trocar-tip stylet for cortical penetration
- Low-profile, universal handle preloaded with a sharp, bevel-tip stylet to facilitate cortical penetration and tip redirection
- Bevel-tip stylet to facilitate redirection
- Radiolucent design
- Probe for clearing the cannula

Each standard kit includes one universal handle (preloaded with trocar-tip stylet), one bevel-tip stylet and one cannula probe.

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AVAmax® Match-Ground Bevel Handle/Stylet Kits

The AVAmax® match-ground bevel kits allow for easy access to the vertebral body. The match-ground design, from stylet to cannula, allows penetration without the secondary transition for a smooth insertion.

**Features include:**
- Match-ground cannula to provide a seamless transition from stylet tip to outer cannula
- Radiolucent design
- Probe for clearing the cannula
- Tapered cannula to provide a smooth transition from stylet tip to outer cannula

Each match-ground bevel kit includes one universal handle (preloaded with bevel-tip stylet) and one cannula probe.

**Ordering Information**

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