Optimizing cementation

SURGICAL CEMENTS
- FIX range: without antibiotics
- AMINOFIX range: with antibiotics

DIAPHYSEAL RESTRICTOR
- Air Plug
- Single-use part: Plug inserter

CEMENTATION KIT
- Traditional cementation, SYRFIX
- Retrograde cementation, SYRFIX +
**Controlling the surgical procedure**

The **FIX / AMINOFIX** range

- Without antibiotics:
  - FIX 1: medium viscosity
  - FIX 3: low viscosity
- With antibiotics (gentamicin sulfate: 1g/dose):
  - AMINOFIX 1: medium viscosity
  - AMINOFIX 3: low viscosity
- Acrylic cements.
- Radio-opaque (Barium sulfate).
- Low rate of activator (less than 1.5% of DmpT).
- Optimal controlled setting time:
  - FIX 1: 7 +/- 1 min
  - FIX 3: 9 +/- 1 min
  - AMINOFIX 1: 8 +/- 1 min
  - AMINOFIX 3: 10 +/- 1 min
- Maximum temperature for adapted polymerisation (see graph): 57 +/- 5°C (standard limit = 90°C)
- Dosage: 40 g of powder

**Anticipating cardio-respiratory disorders (1, 3, 4 et 5)**

**Cement restrictor Air Plug**

- **Hole in base to facilitate connection**
- **Adapts itself to the irregularities of the diaphyseal canal**
- **Slots permeable to gases, blood and fluids**
- **Specific shape, slots and flanges helping to block the cement flow**

The Air Plug diaphyseal restrictor was specially designed to reduce the risks of air and medullary tissue compression, with its set of staggered vents. The stability and occlusive nature of the restrictor have also been improved. (2)

**Advantages**

- Limits the flow of acrylic cement when introduced into the diaphyseal canal.
- Maintains pressure balance when the cement is introduced into the femoral shaft.
- Enables the cement to be pressurized.
- Biodegradable material which does not interfere with the removal of the stem during revision surgery.
- Easy to use.
- Reduces the risks of embolism during cemented total hip replacement. (1)
Eliminating the risks of cross contamination

A single use 2 in 1 device: Plug inserter

Advantages
- 2 in 1: calibration + insertion of the Plug.
- Double-sided: Only 2 parts meeting the needs of the whole range (packaged together, so only 1 reference).
- Single use: to reduce the risks of cross contamination.
- Sterile: immediate availability for additional surgeries.
- Simplified reordering management: 1 single reference to order, 1 box containing 5 packs of 2 parts.

Benefiting from cost-effective reliable performance

Cementation kit SYRFIX

DESIGN FEATURES
- Kit suitable for all cementation options.
  - SYRFIX for traditional cementation: bowl + spatula + syringe
- Single use sterile kit.
- Supplied in sets of 5.
- Fully suitable for our range of FIX and AMINOFIX cements.
Biodegradable cement restrictor

**AIR PLUG**

<table>
<thead>
<tr>
<th>Size</th>
<th>Ref.</th>
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<tbody>
<tr>
<td>8</td>
<td>PLUG08</td>
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<tr>
<td>10</td>
<td>PLUG10</td>
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<td>12</td>
<td>PLUG12</td>
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<tr>
<td>14</td>
<td>PLUG14</td>
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<tr>
<td>16</td>
<td>PLUG16</td>
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**Set of 5 Plug inserters**

<table>
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<tr>
<td>Single</td>
<td>BOA UU003</td>
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Cementation kit

**SYRFIX**

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<tr>
<td>x 5</td>
<td>CUA SE001</td>
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**SYRFIX +**

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<td>x 5</td>
<td>CUA NR001</td>
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**Gun for retrograde cementation**

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<tr>
<td>x 1</td>
<td>CUA PC001</td>
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Surgical cements

**without antibiotics**

<table>
<thead>
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<th>Viscosity</th>
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<tbody>
<tr>
<td>medium</td>
<td>FIX 1</td>
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<tr>
<td>low</td>
<td>FIX 3</td>
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**with antibiotics**

<table>
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<tr>
<th>Viscosity</th>
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<tbody>
<tr>
<td>medium</td>
<td>AMINOFIX 1 CCG SV001</td>
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<tr>
<td>low</td>
<td>AMINOFIX 3 CCG BV003</td>
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</tbody>
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**BIBLIOGRAPHY**


“To blame the use of cement for failure is to blame surgical technique” (6)
The controversy between the practitioners using cemented fixation and those against it emphasizes the attention that should be given to every surgical technique. This complete range, intended to make the cementation technique safer and reproducible, was designed to reduce the risks linked to an insufficiently controlled movement.