For younger patients, historical treatments are not always pulp friendly and show many drawbacks. With Biodentine™, you bring to children the better care they deserve for their dental treatments with an easy and fast procedure for you.

Higher biocompatibility and bioactivity for pediatric indications
- High biocompatibility assessed and evidenced through 13 scientific publications
- Highest amount of calcium and hydroxide ions released upon setting
- Induces thick dentin bridge formation thanks to largest calcium surface concentration compared to similar dental materials
- Shows both osteogenic and angiogenic properties to promote pulp & tissues healing
- Calcium silicate based materials show better clinical & radiographic results than Formocresol
- Calcium silicate based materials show better bioactivity for pediatric indications

Bulk fill placement for a strong restoration
- Similar mechanical properties as dentin allowing durable bulk fill procedure
- Fast-growing mechanical strength allowing solid restoration as soon as Biodentine™ is set
- Shows no depth of cure limitation thanks to its biocalcite chemistry

Technical Insights

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compressive Strength, MPa (24 hours)</td>
<td>65 ± 6</td>
</tr>
<tr>
<td>Flexural Modulus, GPa (24 hours)</td>
<td>12 ± 2</td>
</tr>
<tr>
<td>Vickers Micro Hardness, HVN (24 hours)</td>
<td>56 ± 5</td>
</tr>
<tr>
<td>Total handling time</td>
<td>6 min</td>
</tr>
</tbody>
</table>

Product properties designed for pediatric dentistry
- Short setting time of 12 min allowing rapid placement of a stainless steel crown when necessary
- No post-operative pain
- No tooth discoloration
- pH neutral properties thanks to alkaline pH 12

Available in:
- Box of 15 capsules and 1 box of 15 single-dose containers
- Box of 5 capsules and 1 box of 5 single-dose containers

Presentation

**For more information, please visit our website:**

www.septodont.com

**Tél. : +33 (0)1 49 76 70 00 - Fax : +33 (0)1 48 85 54 01**

**Septodont - 68 Rue du Pont de Créteil - 94100 Saint-Maur-des-Fossés - France**

**Please visit our website for more information:**

www.septodont.com
Biodentine™: the better standard for younger patients’ teeth

Maintain pulp vitality

- Biodentine™ is bioactive and promotes the pulp’s self healing capacity
- In indirect and direct pulp caps, in partial or total pulpotomies: Biodentine helps you save the pulp everytime it’s not inflamed
- Its bioactivity allows the apical closure of immature teeth
- Its high pH reduces the risk of bacterial proliferation.

Adapted to younger patients

- Biodentine™ is “bulk filled” into the cavity
- It can be left as a temporary restoration for up to 6 months
- The final restoration in the same session is possible, whether a direct composite or a stainless steel crown
- No post-operative pain & no discoloration
- No need for extra bonding, no extra steps.

Clinical cases

Pulpotomy

This includes pulpotomy in temporary teeth and partial pulpotomy in permanent teeth. Biodentine™ fast setting time allows immediate crown restoration. It also allows to make it directly intraorally functional without fear of material delamination.

Traumatized teeth

Incisors are mostly concerned when it comes to crown fractures. Treatment of these complicated fractures in immature teeth is often a real challenge since the goal is to stimulate the pulp so that the apex can pursue its physiological maturity process. Biodentine™ shows dentin-like mechanical properties, triggers no tooth discoloration and has a short setting time (12min). It is therefore the material of choice for fragilized immature teeth.

Deep caries treatment

After curetage of caries, the pulp may be seen by transparency or may be exposed. Biodentine™ is a restorative material that can directly be placed on the pulp and is evaluated as superior to MTA, CaOH and Formocresol in numerous publications. It offers zero discoloration of teeth, provides an outstanding seal, is easy to handle, sets fast and is antibacterial. You can therefore “bulk fill” Biodentine™ without extra conditioning and bonding.

First clinical view of #55 for a 8-year-old patient. Complicated crown fracture with extravasation of both #11 & #12. Partial pulpotomy was carried out, then the hemorrhage was controlled. Bulk fill Biodentine™ as a pulp capping material and a temporary restoration. After one week, Biodentine™ had fully set and was polished with prophylactic paste. X-ray follow-up image at 12 months showing continued root formation.