

Filling of defects around implants

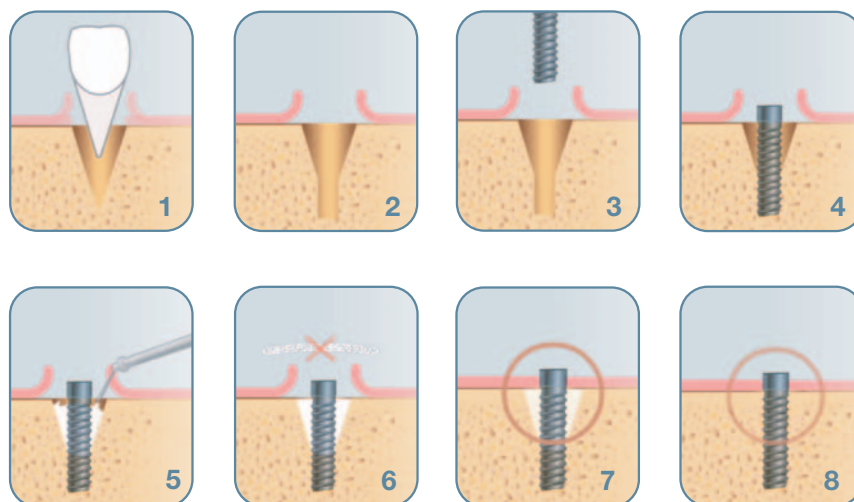
PD VitalOs Cement[®] is particularly indicated in post-extraction implantation procedures. It allows perfect osseointegration of the implant while maintaining the architecture of the peri-implant tissues and thus ensuring the final esthetic result.

Advantages

- Allows a minimally invasive flapless technique, preserving the gingival vascularisation, thus promoting bone regeneration.
- Suture without tension : the exposure of VitalOs does not impede the growth of soft tissues towards the healing screw.
- Fast replacement of the cement by new bone tissue, allowing earlier placement of the final restoration.

Surgical protocol

- 1 Extract the tooth.
- 2 If necessary raise a full-thickness flap, with releasing incisions distant from the site. Debride the socket to remove all granulation tissue.
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- 4 Place the implant according to manufacturer's instructions.
- ⚠ Dry the site as much as possible, to avoid blood flow during injection.
- 5 Fill the bone gap by injecting VitalOs (do not inject the first drops coming out of the mixing tip).
- 6 VitalOs does not need to be covered by a membrane.
- 7 Once VitalOs is hard enough and has primary stability: reposition and suture the flap directly onto the cement, avoiding excessive tension.
- 8 Full resorption of VitalOs within 3-4 months.



Remarks

- If the raise of a flap is necessary, try to limit the extension of the incisions.
- The application of the cement should be one millimeter thicker than the bone thickness to reconstruct.
- The cement does not necessarily have to be covered by the gum. The latter grows on top of the exposed cement.
- The cement resorption can be followed up by radiographic control. It is usually complete within 3 to 4 months after surgery.
- During the resorption/new bone formation period, the cement must not be submitted to direct loading (mastication forces, load applied through provisory denture, etc). The application of such loads leads to a certain loss of bone volume.
- After the osseointegration period, the re-opening and the procedure for prosthetic restoration must be made in accordance with the instructions of the implant manufacturer.

