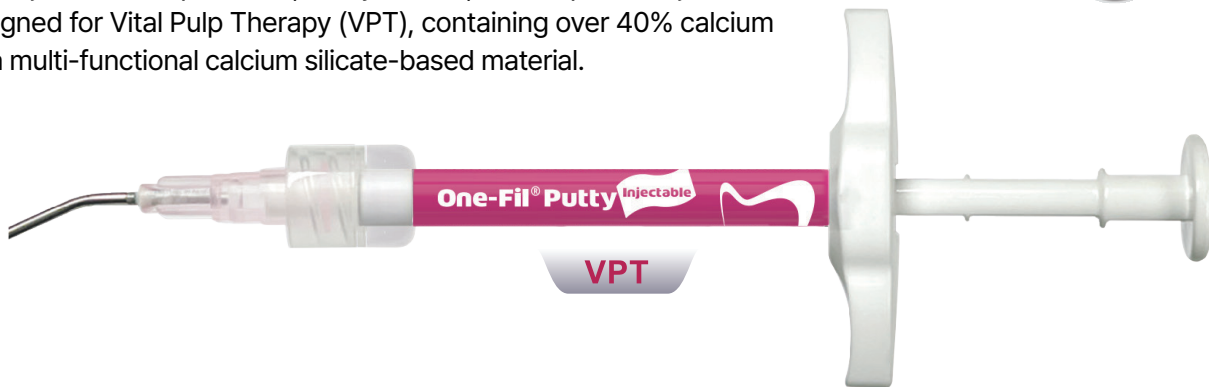


One-Fil[®] Putty Injectable

Calcium Silicate-based
Bioceramic Materials

Vital Pulp Therapy (VPT) with One-Fil Putty Injectable

One-Fil Putty Injectable is a premixed, ready-to-use, biocompatible injectable material designed for Vital Pulp Therapy (VPT), containing over 40% calcium silicate. It is a multi-functional calcium silicate-based material.



Aug. 2021



Sep. 2023

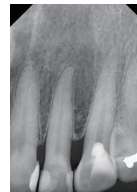
Clinical Case by

▲ Prof. Henry Hyeon-Cheol Kim

#11 Pulp revascularization
#21 Partial pulpotomy
#22 Pulpotomy



Before treatment



After treatment

Clinical Case by

▲ Dr. Ju-Kyung Lee

#23 Pulpotomy



Clinical Case by

▲ Dr. Sung-Ki Kim

▶ VPT



Study by

▲ Dr. Min-Gyu Park, et al.
Publication

Seoul Office | +82-10-8535-2877

No. 206, 464, Cheongpa-ro, Jung-gu, Seoul 04510, Korea
Fax : +82-2-6499-1006 E-mail : sales@mdclus.com |
www.mediclus.co.kr | saleskr@mdclus.com

Head Office | Research & Development Center

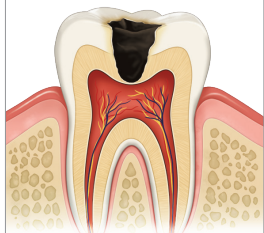
No. 1210, 134, Gongdan-ro, Heungdeok-gu, Cheongju-si,
Chungcheongbuk-do 28576, Korea

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One-Fil[®] Putty Injectable

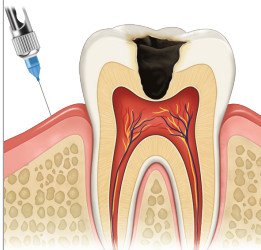
VPT Clinical Workflow Step-by-Step Protocol

1 Pre-operative Diagnosis



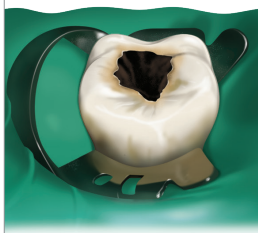
- Pain history: spontaneous pain, pain severe enough to disturb sleep, no lingering pain
- Clinical exam: Cold(+) / EPT(+)
- Radiographic examination shows no periapical lesion

2 Local Anesthesia



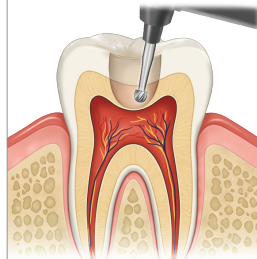
Administer adequate local anesthesia

3 Rubber Dam Isolation



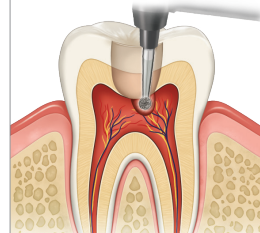
Isolate the tooth with a rubber dam

4 Caries Removal & Cavity Preparation



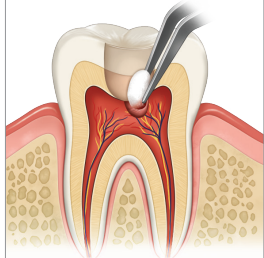
- Remove the leathery, softened dentin
- Use a low-speed handpiece with a round carbide bur

5 Removal of Inflamed Pulp Tissue (Partial Pulpotomy)



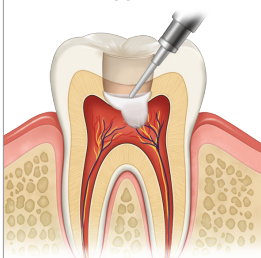
Remove the inflamed pulp tissue using a long-neck round diamond bur at high speed

6 Disinfection & Hemostasis



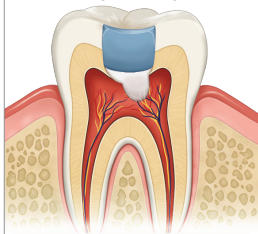
- Apply pressure with a cotton pellet soaked in 2.5% NaOCl to achieve hemostasis
- Confirm complete hemostasis within 5-10 minutes

7 One-Fil Putty Injectable Application



Apply **One-Fil Putty Injectable** over the exposed pulp (recommended thickness: approximately 3 mm)

8 GI Restoration After Initial Set (≤ 5 min)



Apply a glass ionomer cement over the set putty material

9 Final Restoration



After the follow-up check, complete the final composite resin restoration

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By preserving pulp vitality,
tooth function and
longevity are maintained