

# *Ideally Flowable Paste and Excellent Usability*

*Premixed Calcium hydroxide water-based paste  
with Barium sulfate*

- *Easy and direct delivery into the root canal*
- *Excellent biocompatibility*
- *Excellent antimicrobial effects in the treatment of infected root canal*

***The Chosen***  
*over a MILLION sets sold  
in Japan for 10 years*

With 20  
disposable  
plastic needles

Flexible  
needle

Non-blocking  
needle tip

Easy-grip

## **INDICATIONS**

For the treatment of infected root canals  
After the extirpation of pulp  
As a temporary root canal filling  
As a root canal filling of deciduous teeth  
For pulp capping of vital pulpotomy  
For temporary pulp capping of exposed pulp

***Ca(OH)<sub>2</sub> Water-Based Paste***  
***Calcipex II***

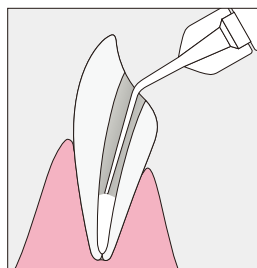
**[Contraindication]**

*This product should not be used in the patients with a history of allergic reaction such as anathema or dermatitis to this product.*

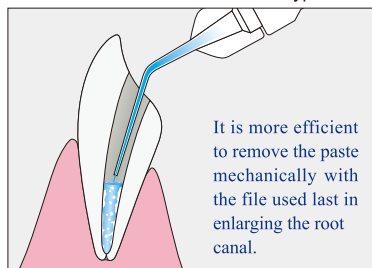
## Easy to handle, premixed paste

- Easy and direct application into the root canals
- Highly flowable to reach the apical region
- The paste can be removed by irrigation with solutions of EDTA and sodium hypochlorite.
- Moderately radiopaque

1. Easy and direct application into the root canals

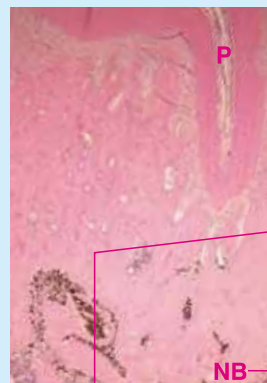


2. Removal of the paste by irrigation with solutions of EDTA and sodium hypochlorite.<sup>1)</sup>



## Excellent biocompatibility

- Less irritation to the periapical tissue
- Composed of resorbable ingredients. It does not disturb the healing of apical lesion and the formation of hard tissues.



### Experiment & Result<sup>2)</sup>

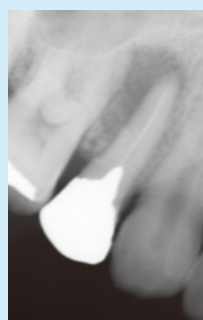
The effect of the materials on the tissue response were histologically evaluated after regeneration in the bone cavity with apicectomy. Acute inflammatory reaction was not observed and new bone (NB) regeneration was found in the bone cavity. New bone was observed to form surrounding structures which seemed to be this material.  
(P: dental pulp)  
(photo: 6 weeks after filling)

**New bone regeneration**

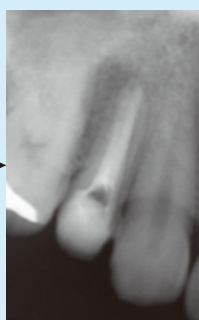
## For the treatment of infected root canals

- Calcipex II can be applied to the cases with persistent endodontic exudate.
- The effect of calcium hydroxide lasts over a long period.

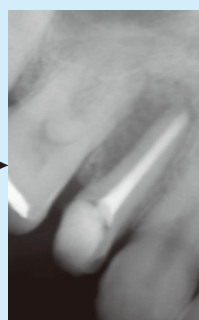
### 【Clinical case】



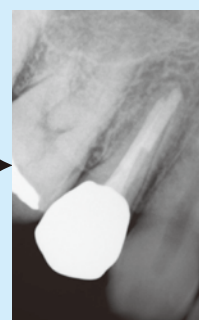
When first diagnosed:  
Maxillary right first premolar  
Chief complaint:  
Gingival swelling  
Periapical radiolucency was present.



Intracanal medicament  
**Calcipex II**



Just after root canal filling



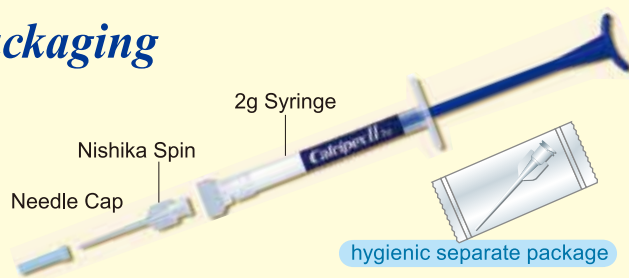
18 months after root canal filling, periapical lesion disappeared.

Radiographic images provided by Department of Endodontology, Kyushu University Hospital

### 【Literatures】

- SHIMA K., MAEDA H., GOTO Y., UNEMORI M., WADA N., FUJII S., TOMOKIYO A., AKAMINE A.: SEM images of root canal dentin irrigated with Smearclean: Comparison with ultrasonic irrigation, The Japanese Journal of Conservative Dentistry 49, 158 (in Japanese)
- KIMURA A., HASHIGUCHI I., NAKAMUTA H., YOSHIMINE Y., AKAMINE A.: Histological examination of the biocompatibility of Calcipex II and Calcipex Plain II, The Journal of Japan Endodontic Association, Vol. 26 No.1 p. 50-56 January 2005. (in Japanese)

## Packaging



A syringe of CalcipexII(2g)  
20 needles of Nishika Spin (φ0.6mm)  
1 needle cap

Distributor