SavDen® MTA
ROOT CANAL FILLING MATERIALS

Are you tired with the poor handling property of MTA-like materials?

What if parparing the MTA paste just like playing with clay?

The new calcium silicate-based filling material, SavDen® MTA, developed from a novel accelerator, resulting in a fast-setting and superior handling root canal filling material. In addition, improved sealingability and biocompatibility with no discoloration in all clinical cases.

Great Properties in Use
- Fast-Setting
- Superior Handling Properties
- Stability in Body Fluids

Great Benefits in Clinical
- Perfect Sealingability
- Great Antibacterial property
- Excellent Biocompatibility
- No Discoloration

Let’s enjoy the endodontics treatment now!!
SavDen® MTA exhibited perfect sealing capability and excellent biocompatibility in the endodontics. As shown in group A, the dye-penetration test, extremely absent dye-invasion indicated better sealing capability of SavDen® MTA in the root-end filling. In the cell survival assay (group B), the survival rate of osteoblast MC3T3-E1 cells on the SavDen® MTA-hydrated tablet (109.1±7.5%) is better than on the ProRoot® MTA-hydrated tablet (96.5±4.0%). In addition, on the surface of SavDen® MTA-hydrated tablet, microspikes and nuclear protrusions were observed in the cytoplasm, which appeared healthy and adherent. Thus, it revealed that SavDen® MTA provided a more biocompatible environment for cells in cell-adhesion and proliferation.

*source: Ji DY, et al., Effects of a Novel Hydration Accelerant on the Biological and Mechanical Properties of White Mineral Trioxide Aggregate. JOE Volume 37, Number 6, June 2011

**Indicated Uses for SavDen® MTA**

- **Apexification**: SavDen® MTA creates a permanent apical plug at the outset of treatment, no interim procedures are needed, making it an excellent material for apexification.

- **Perforation Repair**: SavDen® MTA is a cementogenic and osteogenic biomaterial with good biocompatible sealing properties and is ideal for use as a repair material in cases of pulp, furcation and canal perforations.

- **Internal Resorption Filling**: Because of its excellent marginal sealing and the property to stimulate osteoblastic adherence to the root surface, SavDen® MTA is ideal in perforating internal root resorption.

- **Root End Filling**: Its excellent sealing ability and promotion of periradicular healing make SavDen® MTA ideal as a root-end filling material.

- **Pulp Capping**: SavDen® MTA is an effective pulp capping material. When gently placed over the pulpal exposure site, it creates a biocompatible sealing of the pulp.

**Reference**

