Introducing Grey MTA Plus — ‘Reshaping’ root canal practices everywhere

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“Avalon Biomed Inc. is introducing its first dental product, Grey MTA Plus”. The bioactive root and pulp treatment material helps heal injured vital pulp and also treats various endodontic conditions. Grey MTA Plus represents the next generation of the tricalcium silicate materials and is composed of a fine, non-gritty powder and a unique gel. While most other MTAs include water, the MTA Plus gel enables the MTA powder to set faster and be washout-resistant within five minutes. The gel and fine powder allow the clinician to easily create the consistency desired. The powder-to-gel ratio can be varied so that the clinician can create putty-like, creamy paste or a sealer consistency.

The benefits of MTA (tricalcium silicate)-based products are well established for a multitude of endodontic procedures, ranging from perforation repair to root-end filling, and also for vital pulp therapy. Grey MTA Plus is indicated for vital pulp procedures, including pulp-capping, cavity lining and use as a base. Additionally, Grey MTA Plus can be used for root-canal sealing, revascularization or for obturation when extraction is the only alternative.

The silvery color of Grey MTA Plus is beneficial for distinguishing the material when placed, and the color makes the material slightly more radiopaque than other white MTA materials. The product was tested internationally beginning in 2011, and case reports show the healing effect that results from the bioactive tricalcium silicate of MTA. When implanted, the material was equal to the best-known MTA.

The material is non-cytotoxic and is antibacterial when tested in vitro against common endodontic bacteria including *E. faecalis*. All components of the product are already used in dentistry and pulpal procedures. Articles on Grey MTA Plus are available at avalonbiomed.com. The Grey MTA Plus powder is packaged in a desiccant-lined bottle to keep the powder dry and allows the clinician to dispense only what is needed, avoiding waste. The dropper tip gel bottle is suitable for mixing small amounts.

‘I like how the Grey MTA Plus mixes. The fine, particle-size powder combined with the special gel creates a material that has superior handling properties.’

— Prof. Karl F. Woodmansey, asst. professor, Department of Endodontics, Baylor College of Dentistry

Two kit sizes are available: 2.5 and 8 gram. Avalon Biomed offers a superior product in a convenient format at an excellent price that enables each dose (about 0.1 gram per scoop) to be economical. With this product, a clinician can offer “more healing.” Spontaneous comments from customers show that the Grey MTA Plus material is “head and shoulders” above other MTAs.

Feeling is believing; when you mix the powder and gel, the scratchy, gritty sound and feel is absent, and the handling of Grey MTA Plus is as easy as with IRM®. It’s designed to be an affordable, convenient MTA that performs for you and the patient.

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Photo/Provided by Avalon Biomed Inc.