stomdevice

MM-MTA™

State-of-the-Art Endodontic Repair Cement



Your Endo Specialist™

MM MICRO MEGA

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MM-MTA™

Root canal repair cement

The introduction into the market of MTA (Mineral Trioxide Aggregate) in the 90s has been a veritable revolution that allows successful repair of iatrogenic accidents while reducing the associated pathological complications.
Currently, clinically approved MTA products are available within the dental marketplace. However, MTA traditionally has a long setting time and an often grainy consistency which makes placement more difficult.

MICRO-MEGA® now offers the "State-of-the-Art" MM-MTA™, an endodontic repair cement that has excellent physiochemical characteristics delivered in innovative packaging. MM-MTA™ incorporates a faster set time with a pasty consistency for easy handling and placement.



Intended uses

MM-MTA™ is used in the following cases:

- **Repair of root perforations.**
- **Root-end fillings (retro and apexification endodontic surgeries).**
- **Pulp capping.**
- **Repair of internal resorptions.**

- Biocompatibility.
- Formation of a protective waterproof layer, resistant to bacterial infiltration.
- Excellent adhesion to the dentine.
- Optimal results, even in humid conditions.
- Radiopacity.

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Innovative characteristics

Thanks to its unique characteristics, MM-MTA™ offers indisputable advantages compared to other existing materials:

An adapted packaging:

- Consisting of capsules containing MM-MTA™ powder and liquid, automatic mixing is achieved quickly with a vibrating mixer. In addition, the resulting MM-MTA™ blend is extremely homogenous with transformation properties which are always optimal and reproducible.
- Each capsule contains the exact dosage of MM-MTA™ to avoid waste.

A homogenous consistency:

- MM-MTA™ packaging insures a consistently high-quality product mix for simple handling and easy placement within the root canal.

A reduced setting time (20 minutes):

- The addition of calcium carbonate ($CaCO_3$) considerably reduces the setting time and also allows filling in the same session.

Simple, quick…

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MM-MTA™ Cap contains liquid and 0.3 gr of MM-MTA™ powder. Each capsule is wrapped in a hermetic aluminium pack.



MM-MTA™ Gun

MM-MTA™ Gun for the extrusion of the material from the capsule.

Advantages of the MM-MTA™ Gun:

- Autoclavable - easy to clean.
- Without sharp edges - ergonomic for maximum comfort.
- Stainless steel: resistant.



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Obturation of large and open apices (Figures 1 and 2)



1



2

Repair of an internal apical resorption (Figures 3 and 4)



3



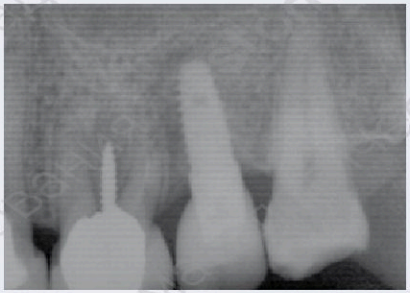
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Product developed in collaboration with Dr. Issam Khalil and Dr. Alfred Naaman, Laboratory of Medicine and Dentistry, Saint-Joseph University, Beirut, Lebanon.
Clinical cases made by Dr. Issam Khalil.

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Clinical cases

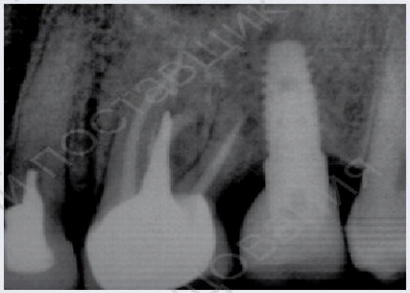
Repair of palatal and pulp floor perforations (Figures 5, 6 and 7)



5



6



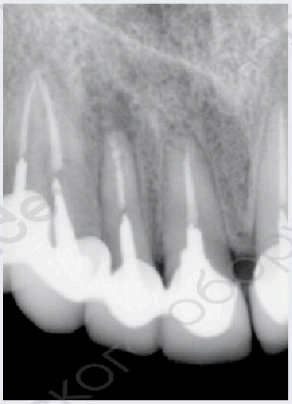
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Endodontic microsurgery on a lateral incisive (Figures 8 and 9)



8

Pre-operative x-ray



9

Post-operative x-ray

Contact us for more information:
www.micro-mega.com

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