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Visiting research scholar at Loma Linda University

Top researcher award from Razi National Medical Sciences Festival

Honored by President of Islamic Republic of Iran

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Title: Clinical Application of MTA in Traumatic Dental Injuries

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Abstract:

Endodontic considerations are important in evaluation and treatment of dental injuries. Mineral trioxide aggregate (MTA) has many potential advantages to calcium hydroxide in treatment of traumatic dental Injuries.

The major advantages of MTA are as follows:

1. High pH (10.2 – 12.5) during setting time, which may be useful for hard tissue induction.
2. MTA provides a biologic tight seal.
3. Biocompatibility

In dental traumatology, MTA can be used in the following clinical situations:

1. Vital pulp therapy
2. MTA plug of necrotic open apex teeth
3. Pulp revascularization
4. Horizontal root fracture
5. Root resorption

In this presentation, different indications of using MTA in traumatic dental injures are discussed and cases using MTA are presented.