



Arabian Academy  
of Pediatric Dentistry

# NEWSLETTER

MAY 2017 | ISSUE 1

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**STAINING**  
POTENTIAL

**FDA**  
ISSUES WARNING  
AGAINST HOMEOPATHIC  
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EVENTS



[www.ArAPD.org](http://www.ArAPD.org)



## MESSAGE FROM THE CHIEF EDITOR

**W**elcome to the first edition of the ArAPD newsletter. I'm delighted to share with you my first message as chief editor of the Arabian Academy of Pediatric Dentistry newsletter and in doing so I send you the best wishes for a prosperous and rewarding 2017.

I am deeply honored and fully committed to serving all members of ArAPD. Our newsletter will continue online to make it quickly available to the world. Our goal is to share ideas, experiences, practices, and research. This edition includes messages, articles, and reports together with events organized or to be organized by ArAPD.

Please feel free to provide your feedback and send data for inclusion in our forthcoming issues.

A handwritten signature in black ink, appearing to be 'Osama El Shahawy'.

Associate Professor  
Osama El Shahawy  
Pediatric Dentistry Department, Cairo University  
Head of Pediatric Dentistry Department, Future University

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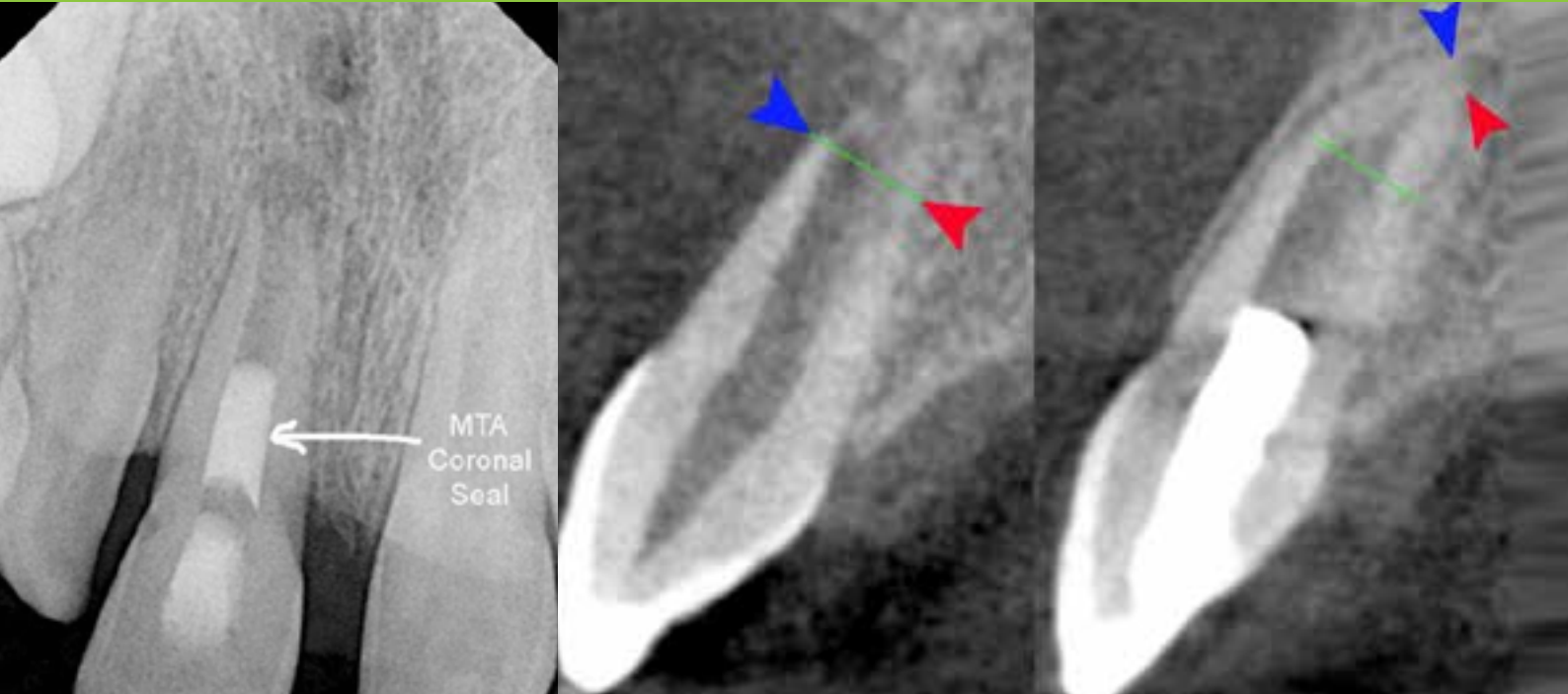
# FDA ISSUES WARNING AGAINST HOMEOPATHIC TEETHING TABLETS



The Food and Drug Administration (FDA) has urged consumers not to use homeopathic teething tablets, as certain brands contain inconsistent amounts of *Atropa belladonna*, a toxic plant, which poses an unnecessary risk to infants and children.

You can find the full article at:  
<https://goo.gl/9sRTo5>

# REGENERATIVE ENDODONTICS: ISSUES WARNING AGAINST A TRUE PARADIGM SHIFT OR A BANDWAGON ABOUT TO BE DERAILED?



## **Introduction:**

Regenerative endodontic techniques (RETs) have been hailed as a paradigm shift for the management of traumatised non-vital immature permanent anterior teeth. In this article the aim was to critically appraise the literature with regards to the outcome of regenerative endodontics on root development.

## **Methods:**

Critical review of the literature where regenerative endodontic techniques have been used in the management of immature non-vital teeth with continuation of root development as the main outcome reported. Results. Most studies published were in the form of case reports and series with very few randomised controlled trials with a high risk of bias.

Continuation of root development following the use of RET has been shown to be unpredictable

at best with lower success in those teeth losing vitality as a result of dental trauma.

## **Conclusions:**

Despite the high success of regenerative endodontics in terms of periodontal healing including resolution of clinical and radiographic signs and symptoms of infection, continuation of root development remains an unpredictable outcome.

The use of a blood clot as a scaffold in regenerative endodontics should be reviewed carefully as that might offer an environment for repair rather than regeneration. In addition, preservation of structures, such as Hertwig's epithelial root sheath, may have an important bearing on the success of this approach and should be further investigated.

You can have full access to the article through the following link:

<https://goo.gl/8s9SKB>

# STAINING POTENTIAL

## OF NEO MTA PLUS, MTA PLUS, AND BIODENTINE USED FOR PULPOTOMY PROCEDURES



### **Introduction:**

Mineral trioxide aggregate (MTA) used for pulpotomy procedures in immature permanent teeth can reduce treatment to 1 session as opposed to classic calcium hydroxide therapy, which necessitates multiple appointments.

The main disadvantage of MTA use is crown discoloration after treatment. The aim of this study was to characterize 3 materials that are used for pulpotomy procedures in immature permanent teeth and assess their color stability in the presence of sodium

hypochlorite solution.

### **Methods:**

Hydrated Neo MTA Plus (Avalon Biomed Inc, Bradenton, FL), MTA Plus (Avalon Biomed Inc), and Biodentine (Septodont, Saint-Maur-des-Fossés, France) were characterized after immersion in Hank's balanced salt solution for 1 day and 28 days using a combination of scanning electron microscopy, energy-dispersive spectroscopy, and X-ray diffraction analysis.

The color stability of the 3 materials in contact with water or sodium hypochlorite was evaluated by photography,

spectrophotometry, and X-ray diffraction analysis. Results. All the materials hydrated and produced calcium hydroxide as a by-product of hydration at early age.

All materials interacted with synthetic tissue fluid, forming a calcium phosphate phase. MTA Plus exhibited discoloration in contact with sodium hypochlorite.

### **Conclusions:**

All the materials tested are suitable to be used in the treatment of immature teeth because they all produced calcium hydroxide, which is necessary to induce dentin bridge formation and continued root formation. Neo MTA Plus and Biodentine are suitable alternatives to MTA, and they do not exhibit discoloration.

For full article, please visit <https://goo.gl/0NEp4B>

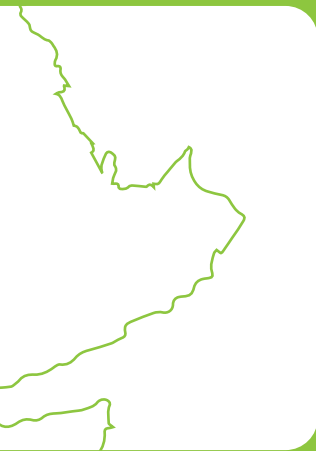


Arabian Academy  
of Pediatric Dentistry



# THE ARAPD FIRST EVENT

November, 12 and 2015 ,13  
in Mohammed Bin Rashid  
Academic Medical Centre, Dubai



# UPCOMING EVENTS

The banner for the FDI World Dental Congress features a composite image. On the left, a waterfall cascades down a rocky ledge. In the center, a grand classical archway with three openings stands in a park-like setting. On the right, a red and blue diagonal graphic contains the text 'Madrid, Spain' and '29 August - 1 September 2017'. The FDI logo is in the top left corner.

**fdi** **World Dental Congress**

**Madrid, Spain**

**29 August - 1 September 2017**

The IAPD 2017 banner features a scenic view of a mountain range at sunset. In the center is a circular logo with a red border containing the text 'A SOUTHERN VIEW FOR ENGLAND'S 26th IAPD CONGRESS'. The logo depicts a cartoon character in a graduation cap and gown standing next to a child. Below the logo, the text reads 'The 26th Congress of the International Association of Paediatric Dentistry'. On the right, a city skyline is visible with the text 'IAPD 2017 October 4-7 Santiago - Chile' and 'Save the Date!'.

The banner for the Oman Paediatric Dental Club features a logo on the left consisting of stylized human figures in green and blue. The text 'Oman Paediatric Dental Club' is in blue and green. On the right, a photograph of a smiling young boy in a light blue polo shirt is shown. The text '9th Oman Paediatric Dental Club Event' and 'Crowne Plaza - Muscat' is in white, with '20-21 October 2017' below it.

The banner for the E.A.P.D. 14th Congress features a scenic view of Lugano, Switzerland, with a large lake and mountains in the background. The logo for E.A.P.D. (European Academy of Paediatric Dentistry) is in the top left corner, showing a map of Europe with stars. The text '14TH CONGRESS JUNE 20 - 23 2018 IN LUGANO' is in white on the left side.



# RESEARCH GATE

Find research topics; connect; and collaborate with researchers from around the world.

Suggested topics that need further research are:

- The use of SDF and smart restorations,
- Zirconia full coverage in primary teeth,
- Child abuse and dental neglect,
- Prevalence and etiology of dental anomalies (amelogenesis imperfecta, dentinogenesis imperfecta, and molar incisor hypomineralization),
- Efficacy of space maintainers and analysis of costs and side effects of treatment.



