



REVASCULARISATION OF INFECTED IMMATURE TEETH

OCT
2011

Until recently, apexification was the only way to manage immature teeth with endodontic infections. Prior to obturation, a thick paste of calcium hydroxide was placed within the canal to promote the development of an apical barrier. The problems encountered with apexification are:

- It takes up to a year or more to develop the apical barrier
- The root remains short with thin dentinal walls

The recently developed revascularisation procedure allows for continued root development in infected immature teeth. The revascularised canal promotes an in-growth of new "pulp" which deposits additional hard tissue – creating thicker root walls, a better crown-root ratio, and possibly a better long-term prognosis.

There are two stages to the revascularisation procedure:

- Eradicate the bacterial infection with traditional irrigation (NaOCl and EDTA) and passive sonication of the solution in the canal. Instrumentation of the thin walls is not recommended. An antibiotic paste consisting of a mixture of 2-3 antibiotics is placed in the canal and left until the infection resolves (3wks- 2 months).
- When the tooth is re-opened, a small file (i.e. 15/02) is extended beyond the apex in order to stimulate bleeding into the canal. The blood clot will act as a scaffold for the in-growth of new tissue. The coronal pulp canal is sealed with MTA and restored. The patient is recalled at regular intervals to observe further root development.

Your comments about this and previous newsletters are encouraged. Please check our web page, Facebook Page, and the BCDA blog for an electronic version of this newsletter. If you prefer, an e-mail version of this newsletter can be sent as well. I look forward to working with you and your patients in the future.

Regards,



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Certified Specialist in Endodontics

YOU'RE INVITED TO
OUR ANNUAL
HALLOWEEN PARTY!
'SCARY AS A ROOT CANAL'
Thursday OCT 27th 5-8pm
Please RSVP



← REVASCULARISATION:
INITIAL PRESENTATION
INFECTED TOOTH #11
WITH SINUS TRACT

← 4 MONTH FOLLOW UP
NOTE: DENTINE
BRIDGE FORMATION

← 2 YEAR, 7 MONTH FOLLOW UP
NOTE: CONTINUED ROOT
DEVELOPMENT AND
RESOLUTION OF SINUS
TRACT AND PA AREA

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Office Hours

8am to 5pm - Monday to Saturday
Extended hours are also available

This newsletter and all of the previous newsletters are posted on our Facebook page 'RICHMOND ENDODONTIC CENTRE' and will be available on the updated web page (coming soon) at www.endodonticcentre.com and the BCDA Discussion Forum Blog.

If you have any questions about this or other newsletters please contact our office.