

> EXTRA CANAL INVASIVE RESORPTION

MAY
2011

Since 1998 extra canal invasive resorption (ECIR) is the term to describe a rare, insidious, and often aggressive form of external resorption. ECIR is associated with:

- Excessive occlusal forces
- Periodontal disease
- Chronically necrotic pulps
- Radiation therapy
- Tumours and cysts
- Trauma and re-implantation of teeth
- Orthodontics
- Bleaching

In addition, ECIR may occur spontaneously on patients we least expect –healthy dentition with few or no restorations, no history of trauma, or orthodontics, etc...

Clinically, ECIR may be evident as a slight pink discoloration in the clinical crown, with cavitation of the enamel only occurring at later stages. Often ECIR is only detected radiographically as there are no obvious clinical signs and the pulp remains vital until late in the process. Thus, it is prudent to not only clinically but also radiographically examine all teeth, even those with vital pulps, no restorations, or history of trauma.

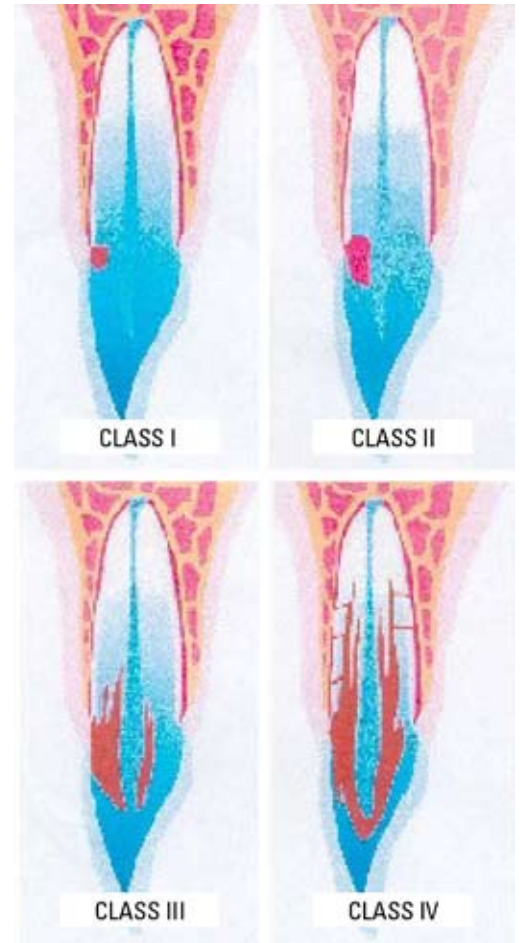
ECIR is characterised by the invasion of the cervical region of the root by fibro-vascular tissue which progressively resorbs dentine, enamel, and cementum. Protected by a layer of dentine and predentine, the pulp remains vital until late in the process. Heithersay divided ECIR into 4 classes. Treatment can be successful with class I-III by means of curettage, acid treatment, restoration and endodontic treatment with biocompatible materials. Early diagnosis is critical for success as Class IV is non-salvageable.

If you have any questions regarding ECIR or any other clinical question please feel free to contact us at the Richmond Endodontic Centre.

Regards,



Dr. Joel N. Fransen
BSc(OT), DMD, FRCD(C)
Certified Specialist in Endodontics



Richmond Endodontic Centre
Dr. Joel N. Fransen

110-11300 No.5 Rd
Richmond, BC V7A 5J7
office@endodonticcentre.com
T 604.274.3499
F 604.274.3477

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.

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