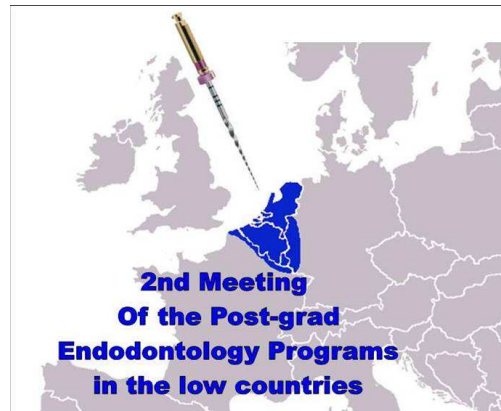


Meeting of the Post-Graduate Endodontology programs of the Low Countries



The Academic Centre for Dentistry Amsterdam (ACTA) hosted the 2nd meeting of the post-graduate endodontic programs of the Low Countries in November 2010. Post graduate students and staff from the Catholic University in Leuven, the University of Gent in Belgium and ACTA , the Netherlands participated in a 2 day program that included lectures of the program directors or their representatives about the history and structure of the post-graduate endodontology program at their schools, and a scientific program presented by post-graduate students from the three universities. A large number of the presentations dealt with new imaging techniques and especially endodontic applications of Cone Beam CT.

In addition to the educational program, participants enjoyed a festive social event sponsored by Dentsply. The meeting was a big success and all participants promised to see each other at the next meeting, scheduled to be in 2013 in Leuven, Belgium.

A competition between all presentations resulted in a win for Veerle Gunst, a post-graduate from the Catholic University of Leuven in Belgium who presented

interesting cases of cervical root resorption in individuals playing wind-instruments.

The abstract of her exceptional presentation is enclosed below.



Winning presentation- Meeting of the Post-Graduate Endodontology programs of the Low

Countries

Playing wind-instruments as a possible etiologic cofactor in external cervical root resorption: two case reports

**Veerle Gunst,
Catholic University of Leuven, Belgium**

Aim To present two cases of external cervical resorption (ECR) on maxillary incisors, in which the primary etiologic factor is suggested to be pressure trauma by frequently playing wind instruments.
Summary The exact etiological spectrum of ECR is still poorly understood. For resorption to occur, a defect in the cementum layer (trigger) is a likely prerequisite. While the mechanism for continuation (stimulus) is still unclear, knowledge of potential predisposing factors is important in assessing patients at risk. Pressure generated by playing wind instruments could present an etiological factor in ECR because it affects the cervical region of the root surface. The cases that are presented may confirm this hypothesis and the extent of resorption defects is shown by cone-beam CT and micro-focus CT imaging techniques.

Key learning points:

- The repetitive forces generated by playing wind instruments could be compared to excessive, longstanding and orthodontic forces and therefore may initiate and stimulate ECR.
- Music teachers as well as general dental practitioners should be aware of the potential impact of playing wind instruments on the orofacial structures.
- If possible, a protective mouth guard should be fabricated and used while practicing.
- Cone-beam CT analysis is useful for the clinical diagnosis and treatment planning of ECR.
- Micro-focus CT analysis does reveal the extent and complexity of an ECR defect *ex vivo*.