Erosive tooth wear

Erosive tooth wear is becoming increasingly important when considering the long-term health of the dentition. It is important that diagnosis of dental erosion is made early. The clinical appearance is the most important sign for dental professionals to diagnose erosion. This is of particular importance in the early stages of erosive tooth wear. The appearance of smooth silky-glazed sometimes dull enamel, intact enamel along the gingival margin and grooving on occlusal surfaces are some typical signs of dental erosion.

Adequate preventive measures can only be initiated when the risk factors are known and interactions between them are present. The interplay of patient related and nutritional factors is crucial and helps explain why some individuals exhibit more erosion than others. Recommendations for patients at risk for erosive tooth wear will be discussed and several cases reconstructed with composites and ceramics will be presented.



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Adrian Lussi is head of the Department of Preventive, Restorative and Pediatric Dentistry, School of Dental Medicine, University of Bern. In the same department he was head of the Pediatric Dentistry Division for 11 years. He holds a master's degree in chemical engineering from the Swiss Federal University of Technology, Zurich, Switzerland, a teaching license at college level with chemistry as main subject as well as a diploma and a doctorate in dentistry from the University of Bern, Switzerland. His research has covered several aspects of erosion, caries diagnosis and minimally invasive preparation techniques in operative dentistry.

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