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## Micro-abrasion: Minimally invasive early treatment option for enamel defects for children

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AND klinika, Lithuania

Enamel defects can differ in etiology (trauma, fluorosis, genetics, inflammation, systemic diseases or initial caries) and may present various appearances (varying from small white spots and pits to dark brown enamel morphology deficiencies). Depending on degree of expression of the defect or discoloration, it is proven to have a negative effect on the child's psychosocial life, but options for treatment are limited and often not even considered because of the young age of the patient. Enamel defects caused by fluorosis are common among up to 45% of children in Lithuania and up to 19% of children have other type of enamel defects so the treatment need is significant. Micro-abrasion, a technique based on using acid etching combined with abrasive materials on enamel. It is a minimally invasive enamel defect treatment technique that can improve the aesthetics in young age or allow getting better results during the following treatment. Micro-abrasion can be combined with fluoride therapy, bleaching, composite fillings or even veneers and crowns after the occlusion are formed. The aim of this presentation is to review the literature and compare minimally invasive treatment versus restorative techniques for enamel defect elimination. Also advantages and disadvantages of various treatment options according to the age of the patient will be discussed, limits of technique will be estimated and case reports presented.

### Biography

Greta Bacionyte is Specialist of Pediatric Dentistry, has completed his Graduation in Vilnius University, currently working in Amsterdam, The Netherlands. He is currently attending Internships in Oklahoma University, USA and Exchange Studies in Malmo University, Sweden.

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