## Dental Traumatology

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# Recommendations on prevention in guidelines from the International Association of Dental Traumatology

### LETTER TO THE EDITOR

Recently, the International Association of Dental Traumatology (IADT) has published the third update to the guidelines for management of traumatic dental injuries (1,2). Those guidelines as well as the online dental trauma guide are of utmost importance in helping dentists, as well as other healthcare providers and laypersons, to deal with various trauma-related dental conditions. While these guidelines provide updated and mostly evidence-based protocol, which is accepted worldwide (3), it should be remembered that management of an existed injury is often too late and requires complex and expensive treatment (4).

Despite the unquestionable importance of secondary prevention, that is the immediate or urgent diagnosis and treatment of existed condition before significant morbidity occurs, obviously the primary prevention, that is the primary avoidance of injury, is preferred, both clinically and economically. While protective measures are not mandatory and mostly are not in routine use, even by professional sportspersons (5,6) and other high-risk populations (7-9), it is important that the future set of IADT guidelines will include recommendations regarding primary prevention of traumatic dental injuries. The same way we are familiar with preventive guidelines regarding dental-related bacterial endocarditis (10,11), prevention of bisphosphonate-related osteonecrosis of the jaw (12) and other conditions, prevention of dental trauma should be a major concern in which official guidelines are needed. Thus, official recommendations of this group of world's leading experts will hopefully become the gold standard in prevention, as well.

These official guidelines would have a role in education of high-risk populations and their supervisors and healthcare providers. In a recent primary survey that we conducted among 61 dental surgeons, three-quarters of participants reported of a regular investigation for risk factors for dental trauma of their patients. Only about half of the dentists recommend the high-risk patients to use mouthguard, however – most commonly custom-made (Y. Zadik, and L. Levin, unpublished data). Those are, obviously, undesirably and even unacceptable results. As the duty of providing the public with measures for the maintenance of proper oral health is of the dental profession, the responsibility of providing primary and secondary prevention of dental trauma is of dentists, dental hygienists and dental nurses (13). This role includes providing of knowledge and motivation to patients and communities, promotion of preventive measures such as mouthguard and face masks.

Our profession sometimes too busy dealing with improving our *treatment* results and abandon the *prevention* interventions, whereas the later should be the profession's main goal. Each and every patient entering our clinic should be engaged in a comprehensive and well-organized prevention program (14). Just as the dental profession has moved from mechanically *treating* established dental caries lesions toward *managing* the individual's risk factors for this disease, the new challenges of the profession are the recognizing highrisk individuals for dental trauma and manage risk factors. Publication of official evidence-based guidelines for primary prevention is a timely and important step in the right direction.

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Thank you for your Letter to the Editor. The IADT guidelines have over the years focused on assisting colleagues in the emergency treatment of traumatic dental injuries and served that purpose very well for the emergency situation. You have very valid points on prevention of trauma and initiatives like yours guiding the society in the best ways for prevention of dental trauma are also very important. We need more research in this field and articles that can guide us how to best prevent dental trauma. So far there are numerous published articles on different types of mouth guards but getting people to use mouth guards more in various sports situations is apparently not that easy.

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Often, this is very much an attitude problem that makes the research approach more complex. Research and review articles in this field are welcome, and your initiative of guidelines based on literature and best practice is interesting. I suggest you make a proposal to the IADT board to form a group working with prevention issues.

Lars Andersson

Editor in Chief

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