



## **Report on the EADPH Special Interest Working Group Tooth Surface Loss/Erosion**

*By Dr Vasileios Margaritis*

### **1. Title of Special Interest Working Group:**

Tooth Surface Loss/Erosion

### **2. Chair of SIWG:**

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### **3. Date and location of Meeting of SIWG:**

18 October 2018, Palma de Mallorca, Spain

### **4. Number, name and country of participants (please indicate in brackets how many meetings of SIWG the participants attended in the past):**

- A group of 15 participants from Romania, Finland, Sweden, Spain, FYROM, and Greece.
- Almost one third of them have attended previous meetings and all demonstrated a remarkable expertise on the topics discussed in this Group.
- We presented and discussed the preliminary results of a multicenter study which was “born” within the context of this Group since Budapest 2016.
- Almost all the participants agreed to work together to achieve the goals of this Group by the next meeting.

### **5. Program (i.e. topic of lectures, small working groups etc.):**

The agenda of this meeting included the following topics:

- Continuing education and introduction on current issues on tooth wear/erosion: brief discussion and review of the recent literature on the limitations of the current clinical indices for the assessment of erosive wear and ways to address these issues. Also, the main conclusions of previous meeting in Budapest were also presented and discussed.
- Updates: The aim, methodology, process and the preliminary results of the multicenter study were presented to the participants. In brief; formulation and confirmation of the content of the ETW survey by panel of experts (all members of the Group) on dental erosion from six countries (U.S.A., Finland, Romania, Hungary, Ireland and Greece) between October-December 2016; BEWE specific clinical criteria provided by Prof. Carolina Ganss one of the co-creators of BEWE; Protocol of Saliva Collection (Stimulated and Unstimulated); Ethical Committees in each country approved the study; Trained and calibrated examiners performed the examination between October 2017-May 2018; So far the convenient study sample consists of 177 individuals (mean age: 17.5 years, SD: 2.71) from Finland (n=65), Greece (n=55), Romania (n=30), and USA (n=27), aged 15-21 years old to avoid co-existence with other types of TW; 106 (60%) had ETW of some degree (BEWE sum score >0), and 43 (24.3%) were in need of at least preventative measures (BEWE sum score >2); The factors significantly correlated to BEWE sum score (>0) were: consumption of soft and energy drinks, pain or “icing” after drinking or eating something acidic or cold, and low secretion of stimulated saliva.
- Group work: the participants worked and provided very useful feedback on the following topics: What challenges we may face during the validation process in the clinical setting? Any suggestions to address these challenges? Highlight the importance of the calibration of the examiners. Which are your thoughts on these preliminary results?

#### **6. Proposals from the participants for forthcoming meeting(s) of SIWG and State of publication(s):**

Almost all the participants agreed to participate in the production and validation of this survey in order to report our results by the next meeting and produce the second position paper of this Group in 2018. The first one was published in 2011 by Ganss C., Young A. and Lussi A.

#### **7. Tasks to fulfil until the following meeting:**

- Completion of the data collection by all the groups, preferably by the end of 2018.
- Data analysis, executive summary and publication of the results in 2018 or early 2019.

#### **8. Next meeting of the SIWG (including topics when already available):**

- Discussion and dissemination of the final results of the multicenter study.
- Formulation of ETW primary and secondary prevention program to be adopted by schools, public and private practice dentists.
- More clinical focus to prevent and treat ETW.
- Better connection of theory/diagnosis to clinical practice.