

MEETING ABSTRACT

Open Access

First aid in dental trauma in pediatric age

Stefania Zampogna^{1*}, Salvatore De Filippo¹, Valentina Talarico², Monica Aloe², Nadia Severini², Sivia Pizzi³, Maria De Filippo⁴, Antonella Polimeni⁴

From 70th Congress of the Italian Society of Pediatrics, Joint National Meeting SIP, SICuPP, SITIP
Palermo, Italy. 11-14 June 2014

The knowledge of the right management of dental traumas is very important for the pediatrician due both to their high incidence in this age group and to prevent further pathologic events related.

Several studies indicate that in industrialized countries, about one in five children have had a traumatic dental injury to permanent teeth before leaving school. Prevalence of injured teeth presented in the literature varies from 10 to 51% [1]. The pediatrician, more than any other health professionals, should have the necessary knowledge to ensure correct and professional advices for all issues concerning the child's health [2]. Most of the available literature emphasizes that awareness of the correct procedure following dental trauma is unsatisfactory. It is recognized that the prognosis of traumatic dental injuries is dependent on the time between the injury and the initiation of treatment.

Emergency dental treatment by a physician is sometimes required when a dentist is unavailable, so the first physician that comes to managing dental trauma is often the emergency room doctor or the family or hospital pediatrician. Some studies' findings suggest, however, that only 4% of physicians would provide an appropriate initial treatment that could help to save an avulsed tooth [1]. Even in medical courses and first-aid training, management of dental trauma is seldom covered. To ensure and facilitate the approach to this problem, we proposed an evaluation form of dental trauma (figure 1) in order to clearly identify the points that need more attention in presence of a dental trauma and the next steps to be performed for a complete and correct clinical management [3]. First step: initial evaluation of the child, subjective information (interview, where, when, how), evaluation of vital parameters and following attribution of a color code for the priority of access to the medical examination.

* Correspondence: stefaniazampogna@teletu.it

¹Azienda Ospedaliera "Pugliese-Ciaccio", Catanzaro, Italy

Full list of author information is available at the end of the article

EVALUATION FORM OF DENTAL TRAUMA IN PEDIATRIC AGE
FIRST AID

Date __/__/__

Surname _____ First name _____ Date of Birth __/__/__

Sex: M F

- Place where trauma happened: Home School Park
Other _____
- Trauma dynamics: Fall Game Sports Other _____
- Time passed by trauma: <30 min 30 min-1 hour 1hr - 2hrs >2 hrs
- Symptoms after trauma: Pain Limitation in opening/closing mouth
 Bleeding Other _____
- Has any tooth been interested? Primary tooth Permanent tooth

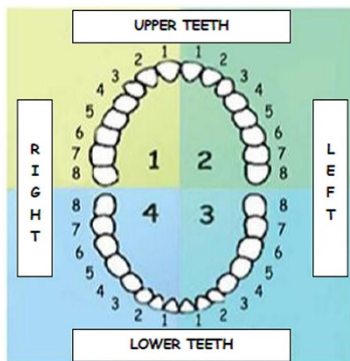


Figure 1 Evaluation form of dental trauma

Next steps are the medical examination, the identification of any cranial-cervical trauma and/or signs of abuse and finally the pulpal tests.

We have proposed a multicenter study in order to evaluate the adhesion and the application of the National Guidelines for the Prevention and Clinical Management of Dental Trauma in children, published in November 2012 by the Ministry of Health. Our goal is to verify and analyze the level of knowledge of various professionals

(doctors of emergency room, family pediatricians, hospital pediatricians and dentists) about the rules to prevention of dental trauma and health education, the first aid of dental trauma and recognition of dental trauma in the child abuse.

Authors' details

¹Azienda Ospedaliera "Pugliese-Ciaccio", Catanzaro, Italy. ²Università "Magna Graecia" di Catanzaro, Catanzaro, Italy. ³Università degli Studi di Parma, Parma, Italy. ⁴Università degli Studi Roma La Sapienza, Rome, Italy.

Published: 11 August 2014

References

1. Emerich K, Gazda E: Review of recommendations for the management of dental trauma presented in first-aid textbooks and manuals. *Dent Traumatol* 2010, **26**:212-6.
2. Emerich K, Wyszowski J: Clinical practice: dental trauma. *Eur J Pediatr* 2010, **169**:1045-50.
3. Andreasen JO, Lauridsen E, Gerdts TA, Ahrensburg SS: Dental Trauma Guide: a source of evidence - based treatment guidelines for dental trauma. *Dent Traumatol* 2012, **28**:345-350.

doi:10.1186/1824-7288-40-S1-A72

Cite this article as: Zampogna *et al.*: First aid in dental trauma in pediatric age. *Italian Journal of Pediatrics* 2014 **40**(Suppl 1):A72.

Submit your next manuscript to BioMed Central
and take full advantage of:

- Convenient online submission
- Thorough peer review
- No space constraints or color figure charges
- Immediate publication on acceptance
- Inclusion in PubMed, CAS, Scopus and Google Scholar
- Research which is freely available for redistribution

Submit your manuscript at
www.biomedcentral.com/submit

