Prevention of dental injuries and managment of first-aid procedures in Hemophilia A (HA) children: experience of a single center

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BACKGROUND

Dental trauma is one of the most common dental problems for 1-17 year 1. to detect II class malocclusion old children, especially because of their attitude to play and sport practicing. Children with maxillary protrusion have higher risk of dental injuries. Such risk becomes a most worrying emergency in hemophilic 2. patients.

PATIENTS AND METHODS

- 20 patients affected by HA: 16 severe, 3 moderate, 1 mild.
- Median age: 8 years (range 3-16);
- Period of observation: 1 year;

During children fist exam, we evaluated II class malocclusion and behaviours at risk for skeletal and dental problems (thumb and pacifier sucking).

A questionnaire to assess children attitudes and to explore parents knowledge about first-aid procedures in case of dental trauma was administered.

Hemophilia Center informed the parents about replacement prophylactic therapy to be administered to their children in case of trauma, on the basis of coagulopathy type/severity.

AIMS

- with maxillary protrusion hemophilic children;
- perform an effective educational campaign about dental care for children parents.



Face profile of II class malocclusion



Maxillary protrusion with increased overjet



Deep-bite



Dental caries

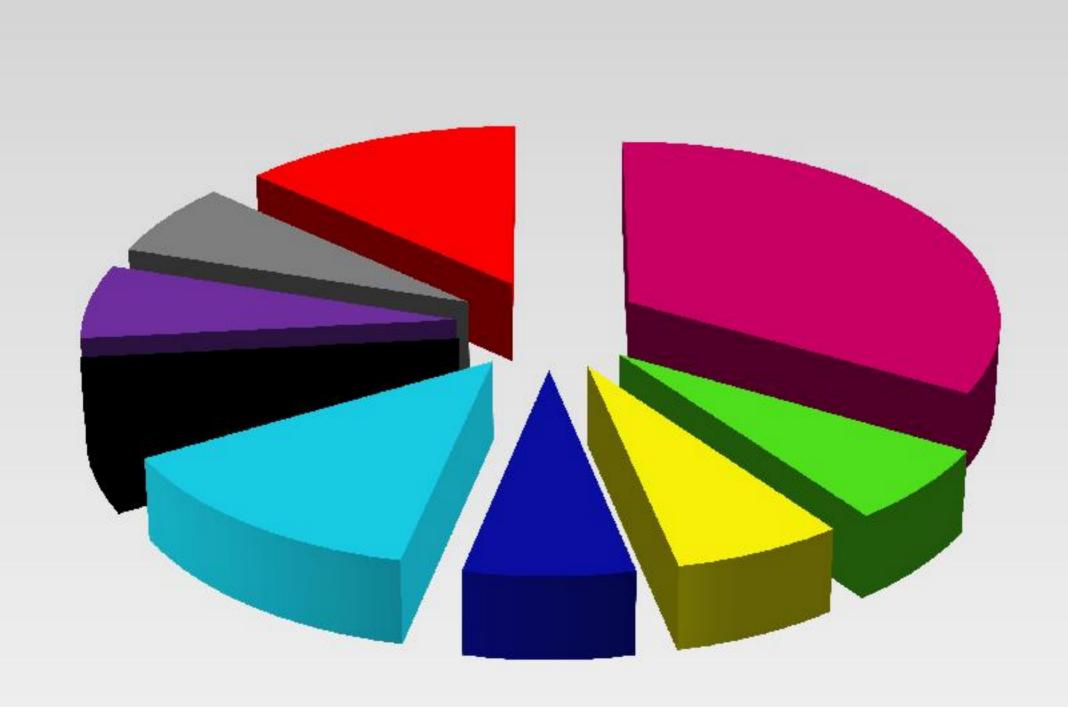


Dental crowding



Tooth cross-location

RESULTS



- Dental caries (5)
- Tooth cross-location (1)
- Mandible protrusion (1)
- Deep bite (1)
- Deciduous agenesis (2)
- Cross-bite (1)
- Deciduous root (1)
- Dental crowding (1)
- Maxillary protrusion (2)
- patients were referred to the Orthodontic Department for correction treatment.
- 2 patients were referred to the Conservative Department for restorative protrusion and consciousness of treatment.
- 1 child has undergone 1 deciduous root extraction during his prophylactic functional therapy day, ensuring local hemostasis with gelatine packing, fibrin glue, reduces the risk of dental trauma. absorbable suture, 15-minute compression with tranexamic acid saturated This is particularly important for gauze.

Parents of 7/20 patients were sufficiently informed about the risk of thumb hemorrhagic complications. and pacifier sucking for the development of maxillary protrusion, while A close collaboration between the parents of 13/20 were informed about first-aid procedures in case of dental Dental and the injuries.

A brief lecture on first-aid in case of dental trauma was given by the dentist outcome of dental and the hematologist.

CONCLUSIONS

Early identification of maxillary sports connected risks can prevent defects dental and hemophilic patients because of the

Hematology Department results in a better problems in hemophilic patients.





Poster

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Broderick CR, Herbert RD, Latimer J, Barnes C, Curtin JA, Mathieu E, Monagle P, Brown SA (2012) Association beetwen physical activity and risk of bleeding in children with hemophilia JAMA (2012) Oct 10; 308(14): 1452-9.