OBJECTIVES:
This session will review the following:
1. Types of traumatic dental injuries.
2. Prevalence and incidence of traumatic dental injuries
4. Evidenced based review of the effectiveness of early orthodontic to reduce traumatic dental injuries

OUTLINE:
1. Types of traumatic dental injuries and outcomes
   a. Mild
   b. Moderate
   c. Major
2. Prevalence and incidence of traumatic dental injuries
3. Risk factors for traumatic dental injuries
   a. Dental / skeletal / soft tissue
      i. Previous Trauma
      ii. Overjet (>6mm)
      iii. Lip incompetence
      iv. Incisor protrusion
      v. Maxillary prominence
   b. Behavioral
      i. Risk taking
      ii. Poor peer group relationships
      iii. ADHD/ADD
      iv. Executive function disorder
   c. Psychosocial
      i. Cognitive development
      ii. Psychomotor development
   d. Medical
      i. Neuromuscular disorders
      ii. Seizures
      iii. Obesity
   e. Environmental
      i. Socioeconomic status
      ii. Educational environment
      iii. Family environment (Child abuse, corporal punishment)
   f. Activities
      i. Organized sports (contact versus non-contact)
ii. Unorganized activities (supervision, location)

4. Evidenced based review of the effectiveness of early orthodontic to reduce traumatic dental injuries
   a. Prevalence of traumatic dental injuries in orthodontic patients
   b. Incidence of traumatic dental injuries in orthodontic patients
   c. Can traumatic dental injuries be predicted from cephalometric data alone?
   d. Traumatic dental injuries in randomized clinical trials of early treatment of class II patients with increased overjet. (Florida, UK, North Carolina)
   e. Expected cost of traumatic dental injuries in a randomized clinical trial of early treatment of class II patients with increased overjet. (North Carolina)

5. Non dental prevention strategies for traumatic dental injuries

6. Total risk assessment for traumatic dental injuries

7. Conclusions

REFERENCES:


