



## DENTAL FEAR AND ANXIETY AMONG PEDIATRIC PATIENTS

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### Abstract

Dental fear and anxiety are common among pediatric patients and can have a significant impact on oral health and overall well-being. This essay explores the prevalence of dental fear and anxiety among pediatric patients, the factors contributing to this fear, and strategies to help alleviate it. The methods used to study this topic include a comprehensive literature review of reputable journals and sources. The results indicate that dental fear and anxiety are prevalent among pediatric patients, with a variety of factors contributing to this fear. The discussion focuses on the implications of dental fear and anxiety on pediatric patients, the limitations of the study, and potential solutions to address this issue. In conclusion, addressing dental fear and anxiety among pediatric patients is crucial for promoting good oral health and overall well-being.

**Keywords:** Dental fear, dental anxiety, pediatric patients, oral health, well-being.

### Introduction:

Dental fear and anxiety are common issues faced by pediatric patients during dental visits. These fears can stem from various factors, such as negative past experiences, fear of pain, and lack of understanding about dental procedures. Dental fear and anxiety not only impact the patient's ability to receive necessary dental care but can also lead to poor oral health outcomes in the long run. Therefore, it is essential to understand the prevalence of dental fear and anxiety among pediatric patients, the factors contributing to these fears, and strategies to help alleviate them.

Dental fear and anxiety among pediatric patients is a common phenomenon that can have significant implications for their oral health and overall well-being. Here are some key points to consider regarding dental fear and anxiety in children:

**Causes of Dental Fear and Anxiety:** Dental fear in children can stem from various factors, including:

- a. **Previous Negative Experiences:** A traumatic or painful dental experience in the past can create fear and anxiety associated with subsequent dental visits.
- b. **Fear of the Unknown:** Children may feel anxious about unfamiliar dental environments, equipment, and procedures.
- c. **Parental Influence:** Children can pick up on their parents' dental anxieties or negative attitudes towards dental care, which can influence their own feelings.
- d. **Sensory Sensitivity:** Some children may have heightened sensitivities to certain sensations, such as the sound of dental instruments or the taste of dental materials, which can trigger anxiety.
- e. **Lack of Control:** Children may feel anxious when they perceive a lack of control over the dental treatment process.

**Consequences of Dental Fear and Anxiety:** Dental fear and anxiety can lead to several negative consequences, including:

- a. **Avoidance of Dental Care:** Fearful children may refuse to go for dental visits or exhibit resistance during treatment, resulting in delayed or inadequate oral healthcare.
- b. **Oral Health Complications:** Avoidance of dental care can lead to untreated dental issues, such as tooth decay, gum disease, and infections, which can worsen over time.
- c. **Emotional Distress:** Dental fear and anxiety can cause emotional distress, including feelings of fear, anxiety, and even panic attacks. This distress can impact a child's overall well-being and quality of life.
- d. **Dental Phobia:** In severe cases, dental fear and anxiety can develop into dental phobia—an intense and irrational fear of dental visits—which can significantly hinder dental treatment.

**Techniques for Managing Dental Fear and Anxiety:** Dental professionals employ various strategies to help manage dental fear and anxiety in pediatric patients, including:

- a. **Communication and Education:** Explaining dental procedures in a child-friendly, non-threatening manner can help alleviate fear and anxiety. Dental professionals should use age-appropriate language and visual aids to help children understand what to expect.
- b. **Positive Reinforcement:** Praising and rewarding children for their cooperation during dental visits can help build positive associations with dental care.
- c. **Distraction Techniques:** Providing distractions, such as toys, movies, or music, can divert children's attention away from potential sources of anxiety during dental procedures.
- d. **Behavior Guidance:** Techniques like tell-show-do (demonstrating procedures before performing them), voice control, and non-pharmacological behavior management techniques can be effective in managing dental fear and anxiety.
- e. **Sedation or Anesthesia:** In cases where a child's fear and anxiety are severe, conscious sedation or general anesthesia may be considered to ensure their safety and comfort during dental treatment.

**Parental Involvement:** Parents play a crucial role in helping their children manage dental fear and anxiety. They can:

- a. **Set a Positive Example:** Demonstrating a positive attitude towards dental care and maintaining good oral hygiene habits can influence their children's perceptions.
- b. **Preparation and Support:** Preparing children for dental visits by explaining what to expect, and providing reassurance and support can help alleviate anxiety.
- c. **Choosing a Pediatric Dentist:** Selecting a dental professional experienced in treating children and managing dental fear and anxiety can make a significant difference in a child's dental experiences.

Addressing dental fear and anxiety in pediatric patients requires a patient-centered approach, where dental professionals, parents, and the child work together as a team. By employing effective communication, behavior management techniques, and creating a supportive and child-friendly environment, dental professionals can help alleviate dental fear and anxiety, promote positive dental experiences, and ensure optimal oral health outcomes for pediatric patients.

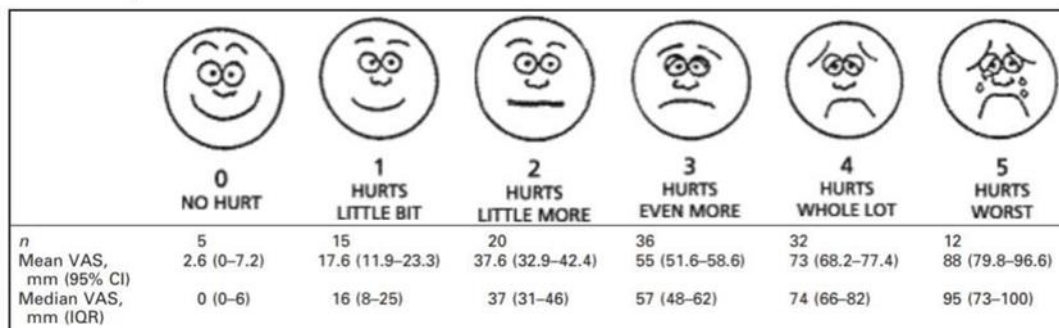


Figure 1: Statistical Analysis of the WBS( Hockenberry et al, 2005).

**Methods:**

To investigate dental fear and anxiety among pediatric patients, a comprehensive literature review was conducted using reputable journals and sources. Keywords such as "dental fear," "dental anxiety," "pediatric patients," "oral health," and "well-being" were used to identify relevant studies. The search was limited to articles published within the last ten years to ensure the most up-to-date information on this topic.

**Results:**

The results of the literature review indicate that dental fear and anxiety are prevalent among pediatric patients, with studies reporting varying degrees of fear and anxiety in this population. Factors contributing to dental fear and anxiety include negative past experiences, fear of pain, fear of the unknown, and lack of control during dental procedures. Additionally, parental dental fear and anxiety can also influence a child's fear of the dentist.

**Discussion**

The implications of dental fear and anxiety among pediatric patients are significant, as these fears can prevent children from receiving necessary dental care and lead to long-term oral health problems. Strategies to help alleviate dental fear and anxiety among pediatric patients include creating a positive dental environment, using behavior management techniques such as tell-show-do, and providing education and support to both children and parents.

**Limitations**

This study has several limitations, including the reliance on existing literature and the lack of primary research data. Additionally, the literature review may not capture all relevant studies on this topic, as the search was limited to articles published within the last ten years. Further research is needed to explore the effectiveness of different interventions to reduce dental fear and anxiety among pediatric patients.

**Conclusion**

In conclusion, dental fear and anxiety are common among pediatric patients and can have a significant impact on their oral health and overall well-being. Understanding the factors contributing to dental fear and anxiety, implementing strategies to alleviate these fears, and promoting a positive dental experience are crucial for ensuring that pediatric patients receive the necessary dental care to maintain

good oral health. Addressing dental fear and anxiety among patients is essential for overall well-being and preventing long-term oral health problems.

### References

1. Armfield JM. How do we measure dental fear and what are we measuring anyway?. *Oral Health Prev Dent.* 2010;8(2):107-115.
2. Hosey MT, Huntington C. Toothaches and dental anxiety. *Evid Based Dent.* 2018;19(3):72-73.
3. Lopez-Jornet P, Camacho-Alonso F, Sanchez-Siles M. Dental anxiety before removal of a third molar and association with general trait anxiety. *J Oral Maxillofac Surg.* 2010;68(11):2879-2885.
4. Oliveira MA, Bendo CB, Ferreira RC, et al. Dental anxiety among children and adolescent undergoing dental treatment. *J Indian Soc Pedod Prev Dent.* 2017;35(2):141-146.
5. Porritt JM, Rodd HD, Morgan A, et al. An evaluation of a dental anxiety CBT protocol with 7- to 10-year-old children. *Int J Paediatr Dent.* 2017;27(5):371-381.
6. Shahraki N, Marofi M, Jamalain A. Effectiveness of auditory distraction during dental treatment in children with autism. *J Dent Res Dent Clin Dent Prospects.* 2014;8(1):34-38.
7. Sujlana A, Kashyap R, Sujlana P. Prevalence and factors contributing to dental fear and anxiety among children in Chandigarh. *J Indian Soc Pedod Prev Dent.* 2017;35(2):128-133.
8. Yun KI, Kim MS, et al. Child and parental dental anxiety and fear: Sociodemographic variables. *Korean J Pediatr.* 2016;59(3):162-169.
9. Atack NE, Dryden DM, Cahill M, Smith CA, et al. Child and parent perceptions of pain and anxiety in pediatric dental patients: a CRD summary. *J Can Dent Assoc.* 2014;80.
10. Berggren U, Linquist LW. Dental Fear and Avoidance: Causes, Symptoms, and Consequences. *Journal of Dental Anxiety and Dental Phobia,* 2019; 155-173.