

Parenting Style

- Authoritarian
 - Low warmth- High demand
- Authoritative
 - High warmth- High demand
- Permissive
 - High warmth- Low demand
- Authoritative style
 - Less caries
 - Better behavior

Parenting Stress

Children with neurodevelopmental disorders are dependent on their parents for:

- many of their daily needs
- dietary choices
- oral hygiene
- This added responsibility can increase a caregiver's stress.

Greater parental stress has been associated with poor oral health in children

Purpose

The purpose of this study is to evaluate if any association exists between the parenting style, parental stress and dental behavior and caries status of children with various neurodevelopmental disorders.

Background

Neurodevelopmental Disorders affect the functioning of the neurological system and brain. These disorders can affect a child's behavior, memory or ability to learn. Oral health is often poor because of behavioral impairments as well as additional dependence on caregivers. Additionally, they often exhibit Dental Behavior Management Problems (DBMP), which refers to uncooperative and disruptive behavior that leads to treatment delays. The additional involvement of the parents due to these disorders can lead to increased stress in the caregivers.

Methods

Participants in the study will be identified from patients at the University of Louisville Graduate Pediatric Dentistry clinic.

- Patients with DBMP that present for a new patient examination
- 3 to 12 years of age
- English speaking
- Parents complete the Parenting Style and Dimension Question(PSDQ)
- Parents also complete the Parenting Stress Index Questionnaire (PSIQ)
- Calibrated researcher will perform a caries examination and assess the patient's behavior using the Frankl Scale

Demographic questionnaire
Parenting Style and Dimensions Questionnaire, Short Form (PSDQ-32)
Parenting Stress Index -Short Form (PSI-SF)
Frankl Scale
Caries- present/absent

PSDQ

32 items questionnaire –To determine Parenting types

AUTHORITATIVE PARENTING STYLE

15 items with scores from zero to 75.

THE AUTHORITARIAN STYLE

12 items with a potential range of zero to 60.

THE PERMISSIVE STYLE

5 Range of zero to 25.

Each statement is ranked on a scale- 1 to 5

Highest Mean score places the parent in the proper parenting category

Frankl Behaviour Rating Scale

- | | |
|------------|--|
| Category 1 | Definitely negative. Child refuses treatment, forcefully, fearfully or displays agitated, overt evidence of extreme negativism. |
| Category 2 | Negative. Reluctant to accept treatment and some evidence of negative attitude (not pronounced). |
| Category 3 | Positive. The child accepts treatment but may be cautious. The child is willing to comply with the dentist, but may have some reservations. |
| Category 4 | Definitely positive. This child has a good rapport with the dentist and is interested in the dental procedures. |

Expected results

- Sample size of 130 groups
- Divided into positive and negative behavior
- Authoritative parenting style is expected to correlate with
 - Better behavior
 - Fewer caries.
- Higher parenting stress is expected to correlate with
 - Negative behavior
 - Higher rate of caries

Expected conclusion

Authoritative-style parenting will lead to the most cooperative behaviors and fewer caries as compared to authoritarian and permissive parenting styles. Less parenting stress will be associated with fewer caries and better behavior.