



HOKKAIDO UNIVERSITY

Title	Factors of Child Dental Fear : A Literature Review of Dental Fear in Children
Author(s)	Nakata, Ayumi; Sato, Yoko
Description	Category 2: Quality of Life
Relation	第3回北海道大学サステナビリティ学生研究ポスターコンテスト = The Third Hokkaido University Sustainability Research Poster Contest. 平成23年10月25日（火） - 11月6日（日）. 北海道大学学術交流会館, 札幌市.
Issue Date	2011-10-25
Doc URL	https://hdl.handle.net/2115/47443
Type	conference presentation
File Information	C2-6.pdf



Factors of Child Dental Fear:A Literature Review of Dental Fear in Children.

Ayumi Nakata¹, Yoko Sato²

¹Graduate School of Health Sciences , Hokkaido University ,²Faculty of Health Sciences , Hokkaido University

1:Summary/Conclusions

1)How do we keep our general health?

The people with a strong fear of dentistry, they can not visit dentistry regularly and do not keep their dental health. The results, it makes people can not eat easily, they do not keep their health, finally. If children without a fear of dentistry, they can visit dentistry from the childhood regularly, so that makes people keep their dental health in their all life.

2)Why is this study a sustainable study?

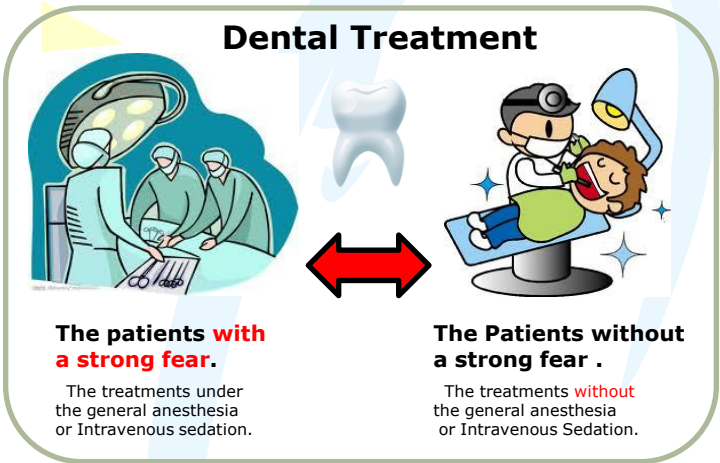
We should make a comfortable dental treatment for people, especially children who have an anxiety or fear of dental. It is the goal of helping to create a sustainable society.

This study was the first step for the goal. The objectives of this study were to provide an overview of the literature investigating dental fear in children during the past ten years and to review factors of child dental fear.

3)What is the conclusions?

This review confirmed the ten factors of dental fear were extracted, but some authors reported "Gender" and "Experience of dental treatment" do not affect dental fear.

In the future, the research should be focus on the relationship between nurture of children and child dental fear.



2:Methods

The literature was systematically retrieved using three keywords (Children, Dental treatment and Fear) and original paper from ICHUSHI³⁾ database. The thirty four literatures which were written about the fear of dentistry, psychology and behavior during dental treatment were chosen.

3:Results

1)The Terms of Fear being used in the Literature(Table1)

The terms were not defined in any literature.

Table1. Terms of Fear (n=42)

Terms of Fear	Numbers
歯科恐怖(Shika-kyoufu)	19
歯科恐怖症(Shika-kyoufu-syou)	9
歯科治療恐怖症(Shika-chiryuu-kyoufu-syou)	5
歯科恐怖心(Shika-kyoufu-shin)	3
歯科治療恐怖(Shika-chiryuu-kyoufu)	1
Dental fear	5

2)The Measures of Dental Fear, Psychology and Behavior during Dental Treatment (Table2)

Table2. Measures (n=25)

Measures (n=25)		Numbers
Psychological scales	•CFSS-DS(Dental subscale of Children's Fear Survey Schedule) •DFS(Dental Fear Survey) The others:12	14
Behavioral scales	•Frankl Behavior Rating Scale •BES(Behavior evaluation scale) The others:4	6
physiological scales	•Salivary chromogranin A •Salivary sIgA The others:4	5

3)Factors of Dental Fear(Figure1)

Some research reported that "There was no statistical difference between boys and girls", "Some people started to have a fear of dentistry in adulthood" and "There was no relationship between a fear of dentistry and experience of dental treatment".

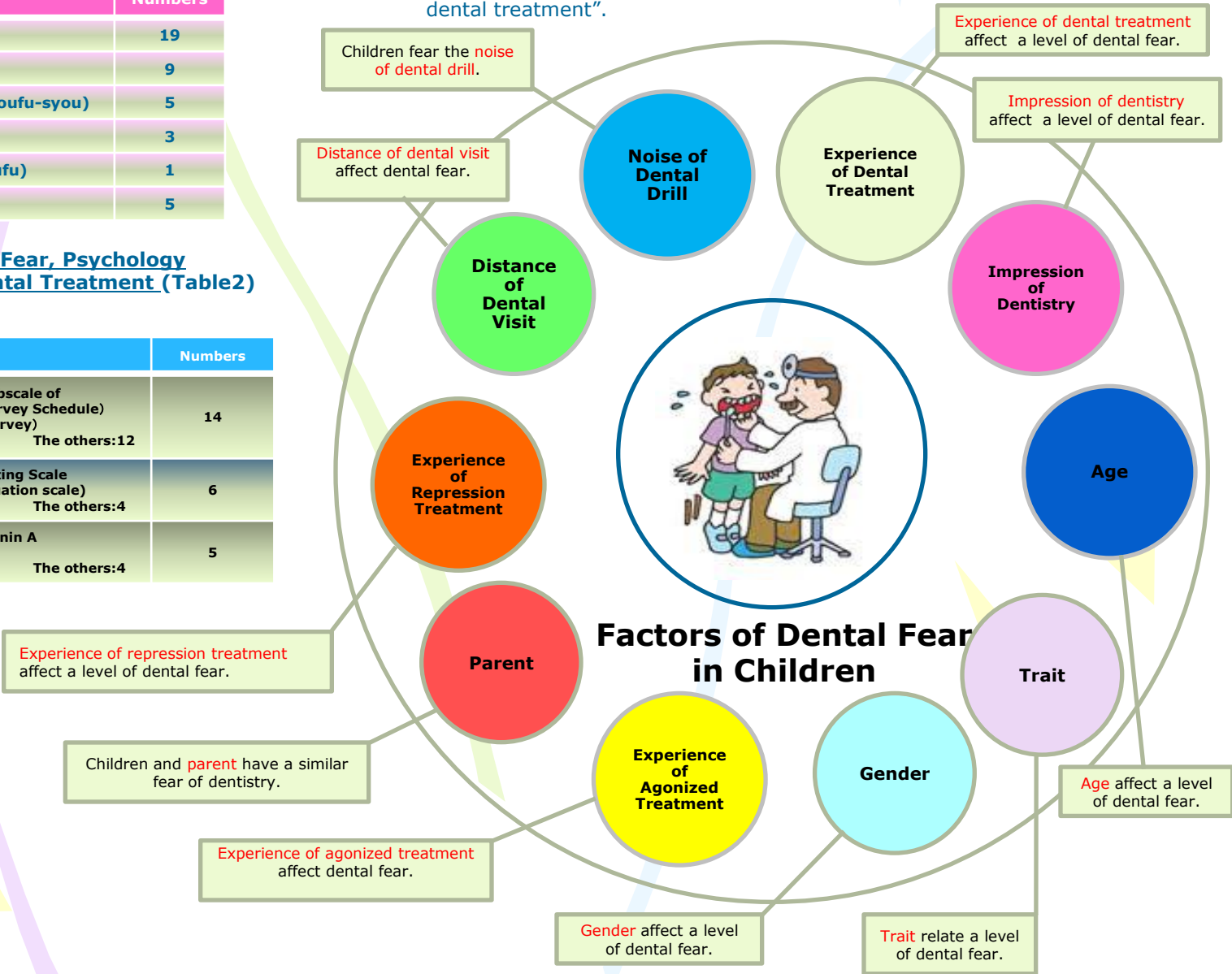


Figure1.Factors of Dental Fear

4:References

1)Tomoko S, Tomiko S, Yoshihiro T, Tadashi N:Factor Analysis of Children's Dental Fear—Relationship Between the Noise of the Dental Drill and Dental Fear—, Japanese journal of pediatric dentistry,42(5),680-688,2004
2) Tomoko S, Yoshihiro T, Tomiko S, Tadashi N :Observation on the behavior of Uncooperative child patients with their mothers during dental treatment, Niigata Dent J,33(1),23-29,2003
3)Japan medical Abstracts Society: ICHUSHI Ver.4, <http://login.jamas.or.jp/enter.html>