

CURRICULUM VITAE

YUKIE NAKAI

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University of Shizuoka Junior College
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Birth:

January 1968

Education:

Okayama University Dental School, Okayama, Japan 1986–1992 D.D.S March 1992

Okayama University Graduate School of Dentistry, Okayama, Japan 1992–1996 Ph.D. March 1996
(Current name: Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences)

Faculty Appointments:

| <i>Institution</i> | <i>Department</i> | <i>Rank</i> | <i>Years</i> | <i>% of Time</i> |
|---------------------------------------|-------------------|--|--------------|------------------|
| University of Shizuoka Junior College | Dental Hygiene | Professor | 2016-present | 100 |
| University of Shizuoka Junior College | - | Dean for Student life, Admission, and Curriculum | 2018-2020 | |
| University of Shizuoka Junior College | Dental Hygiene | Chairperson of Department | 2020-2022 | |
| University of Shizuoka Junior College | - | Director of University Library | 2022- | |

Previous Appointments:

| <i>Institution</i> | <i>Department</i> | <i>Rank</i> | <i>Years</i> | <i>% of Time</i> |
|--------------------------|---|------------------------------|--------------|------------------|
| Okayama University | Pediatric Dentistry | Assistant Professor | 1996–2016 | 100 |
| University of Washington | Pediatric Dentistry & Dental Public Health Sciences | Visiting Assistant Professor | 1997–2000 | 100 |

Researchmap: <https://researchmap.jp/snowpicture12>

Membership and Offices:

- Japanese Society of Pediatric Dentistry Member (1992–present)
- International Association for Dental Research Member (1996-present)

- American Academy of Pediatric Dentistry Associate Member (2000-present)
- Japanese Dental Education Association Member (2010-present),
Vice-chair of Academic Committee (2019-2021)
Delegate (2021-present)
- Japanese Society of Disability and Oral Health Member (2010-present)
- Japan Association of Dental Traumatology Member (2016-present)
Board member (2016-2021)
- Japanese Society of Child Health Member (2016-present)
- Japanese Society of Dental Hygiene Education Member (2016-present)
- Japanese Society for Oral Health Member (2018-present)
- Japanese Society for Oral Care Member (2021-present)
Councilor (2022-present)
- Educational Conference on All Japan Colleges of Dental Hygiene Board member (2021-present)

Dental License and specialty:

Japanese Dental License 1992

Certificate of Pediatric Dentist specialty (Jpn Pediatric Dental Assoc) 2000

Mentor of Pediatric Dentist specialty (Jpn Pediatric Dental Assoc) 2008

Dental School Honors:

Kokusho-prize (1st place honor), Okayama University Dental School (1992)

Professional Honors:

Visiting Assistant Professor, Faculty of Dentistry, University of Washington, 2000

Certificate of Diploma, IIPD, University of Turku, 2005

Publications (Original articles- English)

1. Nakai Y. (1996) Behavioral Science on Dental Fear in Pediatric Dentistry: Relationship between behavior and the nasal skin temperature. *Pediatric Dental Journal* 6(1):39-55.
2. Kaakko T, Riedy CA, Nakai Y, Domoto P, Weinstein P, Milgrom P. (1999) Taking bitewing radiographs in preschoolers using behavior management techniques. *Journal of Dentistry for Children*. 66(5):320-324.
3. Tsubouchi J, Nakai Y, Shimono T.(1999) The association of dental anxiety and dental health in Japanese children. *Pediatric Dental Journal*. 9(1):19-23.
4. Nakai Y, Milgrom P, Mancl L, Coldwell SE, Domoto P, Ramsay D. (2000) The effectiveness of local anesthesia in pediatric dental practices. *Journal of American Dental Association*. 131(12):1699-1705.

5. Weinstein P, Riedy CA, Kaakko T, Nakai Y, Milgrom P, Domoto P, Koday M, Leroux BG. (2001) Equivalence between massive versus standard varnish fluoride varnish treatments in high caries children aged 3-5 years. *European Journal of Paediatric Dentistry*. 2(2):91-96.
6. Nakai Y, Hirakawa T, Milgrom P, Coolidge T, Heima M, Mori Y, Ishihara C, Yakushiji N, Yoshida T, Shimono T. (2005) Children's Fear Survey Schedule-Dental Subscale in Japan. *Community Dentistry and Oral Epidemiology*. 33(3):196-204.
7. Coolidge T, Heima M, Heaton LJ, Nakai Y, Hoskuldsson O, Smith TA, Weinstein P, Milgrom P. (2005) The child dental control assessment (CDCA) in youth: reliability, validity and cross-cultural differences. *European Journal of Paediatric Dentistry*. 6(1):35-43.
8. Nakai Y, Milgrom P, Yoshida T, Ishihara C, Shimono T. (2005) Evaluation of the Total Design Method in a survey of Japanese dentists. *BMC Medical Research Methodology*. 5:27 (<http://www.biomedcentral.com/1471-2288/5/27>).
9. Ji Y, Rodis OM, Hori M, Nakai Y, Kariya N, Matsumura S, Shimono T. (2005) Risk behaviors and their association with presence of *S. mutans* or *S. sobrinus* and caries activity in 18-month-old Japanese children. *Pediatric Dental Journal*. 15(2):195-202.
10. Ji Y, Nakai Y, Rodis OM, Kariya N, Matsumura S, Shimono T. (2005) Relationship between caries risk and presence of cariogenic bacteria among Japanese pregnant women. *Pediatric Dental Journal*. 15(2):203-206.
11. Nakai Y. (2006) Influence of maternal xylitol consumption on mother-child transmission of cariogenic bacteria during and after pregnancy. *Finnish Dental Journal*. Supplement 1:12-17.
12. Yoshida T, Milgrom P, Mori Y, Nakai Y, Kaji M, Shimono T, Donaldson ANA. (2009) Reliability and cross-cultural validity of a Japanese version of the Dental Fear Survey. *BMC Oral Health*. 9:17 (<http://www.biomedcentral.com/1472-6831/9/17>)
13. Nakai Y, Shinga-Ishihara C, Kaji M, Moriya K, Murakami-Yamanaka K, Takimura M. (2010) Xylitol Gum and Maternal Transmission of Mutans Streptococci. *Journal of Dental Research*. 89(1):56-60.
14. Milgrom P, Söderling E, Nelson S, Chi DL, Nakai Y. (2012) Clinical Evidence for Polyol Efficacy. *Advances in Dental Research*. 24(2): 112-116.
15. Shinga-Ishihara C, Nakai Y, Milgrom P, Söderling E, Tolvanen M, Muakami K. (2012) Salivary Mutans Streptococci Levels During and After 13 Months of Chewing Xylitol Gum. *Caries Research*. 46(6): 519-522.
16. Shinga-Ishihara C, Nakai Y, Milgrom P, Murakami K, Matsumoto-Nakano M. (2014) Cross-cultural validity of a dietary questionnaire for studies of dental caries risk in Japanese. *BMC Oral Health*. 14:1. (<http://www.biomedcentral.com/1472-6831/14/1>)

17. Yoshida T, Ogawa T, Taguchi N, Maeda J, Abe K, Rodis O, Nakai Y, Shirai H, Torii Y, Konoo T, Suzuki K. (2014) Effectiveness of a simulated patient training program based on trainee response accuracy and appropriateness of feedback. *European Journal of Dental Education*. 18(4):241-251.
18. Nakai Y, Mori Y, Tamaoka I. (2016) Antenatal Health Care and Postnatal Dental Check-Ups Prevent Early Childhood Caries. *Tohoku Journal of Experimental Medicine*. 240 (4): 303-308.
19. Takeuchi K, Noguchi Y, Nakai Y, Ojima T, Yamashita Y. (2020) Dentist gender-related differences in patient' oral health behavior. *Journal of Oral Science*. 62(1): 32-35.
20. Yoshida T, Watanabe S, Kono T, Taketa H, Shiotsu N, Shirai H, Nakai Y, Torii Y. (2021) What impact does postgraduate clinical training have on empathy among Japanese trainee dentists? *BMC Medical Education*. 21:53.
<https://doi.org/10.1186/s12909-020-02481-y>
21. Nakai Y, Mori-Suzuki Y.(2022) Impact of dietary patterns on plaque acidogenicity and dental caries in early childhood: a retrospective analysis in Japan. *International Journal of Environmental Research and Public Health* 19(12), 7245.
<https://doi.org/10.3390/ijerph19127245>
22. Nagatani Y, Imafuku R, Nakai Y. (2022) Broadening the dental hygiene students' perspectives on the oral health professionals: A text mining analysis. *Dentistry Journal*, 10(9), 160. <https://doi.org/10.3390/dj10090160>

Publications (Case report- English)

1. Nakai Y*, Ishihara C, Ogata S, Shimono T. (2003) Oral manifestations of cyclic neutropenia in a Japanese child: case report with a five-year follow-up. *Pediatric Dentistry*. 25(4):383-388.

Bibliography

Dr. Yukie Nakai is currently a professor in the Dept. of Dental Hygiene, and Director of University library, University of Shizuoka Junior College, Japan. She received her DDS from Okayama University Dental School in Okayama, Japan in 1992, and received her PhD in Pediatric Dentistry from Okayama University Graduate School of Dentistry in 1996. She had been on faculty as an Assistant Professor at the same university for 20 years. She came to the United States in 1997 and worked in the Departments of Pediatric Dentistry and Dental Public Health Sciences as a Visiting Assistant Professor at the University of Washington, Seattle, WA for 3 years, treating pediatric patients in pediatric dental clinic and doing research in dental fear, local anesthesia use in pediatric dental practices, fluoride varnish, and xylitol in children. Dr. Nakai has been certified in Pediatric Dentistry in Japan, and had been working at Okayama University Hospital. She has 22 articles published in English and 23 in Japanese, and 35 abstracts in English and 89 in Japanese. She has been invited for special lecture over 100 times nationally and internationally. Her major research interests relate to children's oral health, dental fear and behavioral management, and geriatric oral health was included in such interests recently.

Dr. Nakai's scholarly work is recognized internationally and nationally. Her paper on measures of children's dental fear, for example, has been cited more than 78 times in international journals. A paper on local anesthesia has been cited 38 times. Her work on the effects of xylitol published in the highly prestigious *Journal of Dental Research* has been cited 47 times. She has also been very active as a teacher in pediatric dentistry, public oral health, and dental hygiene in Japan.