

CURRICULUM VITAE

Hyun-Jae Cho, D.D.S., PH.D.

Associate Professor

Department of Preventive Dentistry and Public Oral Health

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Date and place of birth

December 11, 1982 in Seoul, Korea

Academic degree

2014 Dental Science Ph. Degree, School of Dentistry, Seoul National University, Seoul

2010 Doctor of Dental Surgery and Master Degree (DDS. MSD)
School of Dentistry, Seoul National University, Seoul

2006 Bachelor of Engineering, College of Engineering, Yonsei University, Seoul

Field of specialization

Preventive Dentistry; Dental research; Data-science; Oral Epidemiology; Artificial Intelligence

Short scientific biography

Professor Cho studied dentistry from 2006 to 2010 in Seoul National University, Korea. He specialized in preventive dentistry and involved in large epidemiological studies within South Korea and employs methods such as deep learning. He did his PhD Degree in the field of clinical preventive dentistry in 2015 (topic: the effective of baking soda dentifrice) at the Seoul National University. In 2016 he gained a position as assistant professor in the school of dentistry at the Seoul National University. There he was appointed a full professorship and conducted research on epidemiology and artificial intelligence. Recently, he has been active in supporting up-and-coming researchers at the Korea Research Foundation and being selected as the First Innovation Laboratory. He became academic director of Korean Academy of Preventive Dentistry and Public Oral Health, 27th June 2020, and was promoted to

associated professor from assistant professor 1st September 2020. This is also his current position. He is studying oral health and related big data and AI technologies.

Major Scientific Publications

1. Kim SJ, Lee JY, Kim SH, Cho HJ. Effect of interdental cleaning devices on proximal caries. *Community Dent Oral Epidemiol.* 2021 Aug 8. doi: 10.1111/cdoe.12690.
2. Cho HJ, Shin MS, Song Y, Park SK, Park SM, Kim HD. Severe Periodontal Disease Increases Acute Myocardial Infarction and Stroke: A 10-Year Retrospective Follow-up Study. *J Dent Res.* 2021 Jul;100(7):706-713.
3. Cho HJ, Kim SJ, Park SE, Park JW. Physical activity level and temporomandibular disorders in South Koreans. *Community Dent Oral Epidemiol.* 2020;48(3):225-31.
4. Kim SJ, Kim K, Choi S, Chang J, Kim SM, Park SM, et al. Chronic periodontitis and community-acquired pneumonia: a population-based cohort study. *BMC Pulm Med.* 2019;19(1):268.
5. Han SJ, Bae KH, Lee HJ, Kim SJ, Cho HJ. Association between regular walking and periodontitis according to socioeconomic status: a cross-sectional study. *Sci Rep.* 2019;9(1):12969.
6. Lee HJ, Kim SJ, Park YS, Ko J, Cho HJ. Association between semi-solid yogurt intake and periodontitis in Korean adults. *J Periodontal Implant Sci.* 2019;49(4):206-14.
7. Lee JY, Park HJ, Lee HJ, Cho HJ. The use of an interdental brush mitigates periodontal health inequalities: the Korean National Health and nutrition examination survey (KNHANES). *BMC Oral Health.* 2019;19(1):168.
8. Kim K, Choi S, Chang J, Kim SM, Kim SJ, Kim RJ, et al. Severity of dental caries and risk of coronary heart disease in middle-aged men and women: a population-based cohort study of Korean adults, 2002-2013. *Sci Rep.* 2019;9(1):10491.
9. Choi S, Kim K, Chang J, Kim SM, Kim SJ, Cho HJ, et al. Association of Chronic Periodontitis on Alzheimer's Disease or Vascular Dementia. *J Am Geriatr Soc.* 2019;67(6):1234-9.