

January 28-29, 2019
Barcelona, SpainChao-Bin Yeh, J Den Craniofac Res 2019, Volume 4
DOI: 10.21767/2576-392X-C1-013

Association between dental scaling and periodontitis with pyogenic liver abscess in Taiwanese population

Chao-Bin Yeh

Chung Shan Medical University, Taiwan

Background: The purpose of this study was to investigate the relationship between Periodontitis (PD), dental scaling (DS), and pyogenic liver abscesses (PLAs).

Methods: A nationwide population-based case-control study was applied using data from the National Health Insurance Research Database in Taiwan. We identified and enrolled 691 PLA patients, who were individually matched by age and sex to 2,764 controls.

Results: Conditional logistic regression was applied to estimate adjusted odds ratios (aORs) in patients with exposure to PD and DS before PLA. After adjusting for other confounding factors, PD remained a risk factor for PLA among patients aged 20–40 years, with an aOR of 2.31 (95% confidence interval [CI] = 1.37–3.90, $p = 0.0018$). In addition, the average aOR for PLA was significantly lower among patients with one DS (aOR = 0.76, 95% CI = 0.59–0.96) and more than one DS (aOR = 0.61, 95% CI = 0.39–0.95) within 1 year before the index date.

Conclusion: According to these results, PD is a potential risk factor for subsequent PLA, and DS is associated with a decreased risk of PLA. Moreover, DS treatment at least once within 1 year could diminish the risk of PLA. Therefore, dental physicians should encourage DS as a regular part of oral hygiene for the reduction of PLA occurrence

Biography

Dr Chao-Bin Yeh has completed his PhD in Institute of Medicine by Chung Shan Medical University, Taichung, Taiwan and postdoctoral studies from Chung Shan Medical University. He has worked as Professor of Department of Emergency Medicine, School of Medicine in Chung Shan Medical University. In addition, he has published more than 50 papers in medicinal journals including dental resource as "Periodontitis and dental scaling associated with pyogenic liver abscess: A population-based case-control study in Journal of Periodontal Research" 2018 Oct; 53 (5):785-792" in last years and has been serving as a director of Department of Emergency Medicine, School of Medicine in Chung Shan Medical University.

sky5ff@gmail.com

