

Investigating the effect of handedness on the dental caries pattern, gingival index and plaque index in 6-10 years old children

Saeedeh Mokhtari*, Assistant Professor, Department of Pediatric Dentistry, School of Dentistry, Tehran University of Medical Sciences, Tehran, Iran.
Iman Sanati, Pedodontics, Private practice, Tehran, Iran. Somayeh Alamdari, General Practitioner, Private Practice.

Objectives: It seems that the right-handed and left-handed individuals have different ability in brushing and removing plaque at different areas of the mouth. This study was conducted to evaluate the effect of handedness on dental caries pattern, gingival and plaque indices in 6-10 years old children.

Methods: Children with 6-10 years old age who had inclusion criteria were selected. Handedness of the subjects was determined using Edinburg method. Dental caries, plaque and gingival indices were also measured and recorded for each child. Then the relationship between handedness and the recorded variables were evaluated.

Results: The results showed that there is no significant relationship between any of the variables with being left or right-handed. A significant relationship was observed only between the lowest plaque index and handedness ($P.value < 0.05$).

Conclusion: A relationship cannot be considered between handedness of children and their oral health status.

Takeaway Notes:

- According to this issue, the methods of oral hygiene education and strategies for prevention need no differences with each other in the right-handed and left-handed people to being conducted enough removing plaque at different areas of the mouth.

Biography

I am Dr. Saeedeh Mokhtari. I am graduated from Tehran university of Medical Sciences in 2009 as general practitioner and graduated from Tehran Azad University in 2012 as pedodontics. I was assistant professor of dental school of Shahid Beheshti University of Medical Sciences from 2012-2014 and I am assistant professor of dental school of Tehran University of Medical Sciences since 2014 till now.