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Evaluation of oral health status in multiple sclerosis patients

Background: Recent trends in the increasing incidence rate of MS have led to need attention to oral health status. Oral health plays an important role in overall peoples' health. The purpose of this paper is assessment of oral and dental hygiene indexes in MS patients and compare it with a healthy control group.

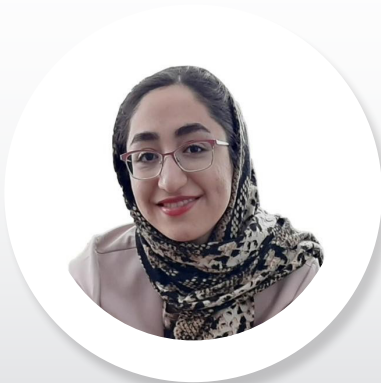
Material & Methods: Forty patients that fulfilled the MS McDonald criteria were enrolled in our study and forty healthy volunteers were recruited into the control group. Dental and periodontal examination were carried out in order to evaluate of the decayed, missing and filled teeth (DMFT) index, the assessment of community periodontal index of treatment needs (CPITN) index and determination of tooth wear status and oral health status. Statistical analysis was done using SPSS statistical package (version 22, IBM).

Results: Mean age, educational level and tooth brushing was not statistically different between MS patients and control group. DMFT index in MS patients was significantly higher than control group ($p=0.011$). There was statistically significant difference in CPITN index between cases and control group ($p=0.042$). There was no statistically significant difference between case and control group in tooth wear index of maxillary teeth ($p=0.28$) and mandibular teeth ($p=0.475$).

Conclusion: This finding, suggests that MS patients need more attention to dental and oral health. Considering increase in prevalence of multiple sclerosis in Iran in recent years, planning a protocol for oral hygiene instruction is necessary. In this regard, coordination between neurologists and oral medicine specialists may improve comprehensive care.

Biography

Marziye Rezaei is a 6th year dental student in Tehran University Of Medical Sciences. She is in charge of Dental College Mentorship in Tehran University Of Medical Sciences about educational, mental or research matters. Besides, she had some oral presentations like User Miniature Talk 2020, Student conference in Northdent Congress and Poster presentation about educational ideas for dental students in Tehran.



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