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Circulating Omentin-1- A new adipokine with diagnostic and therapeutic role in TMJ disorders: Advanced endeavor to dental field

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Introduction: Temporomandibular Disorders (TMDs) are prominent among orofacial pain with the evidence that pathogenesis of painful TMDs is contributed by abnormal levels of cytokines resulting in alteration in anti-inflammatory cytokines level. One such anti-inflammatory cytokine is omentin-1. The aim of this study was to investigate the diagnostic and therapeutic role of omentin-1 in chronic painful TMDs.

Materials & Methodology: 120 subjects were included in the study with Group-A (n=60) having/with history of chronic painful TMDs as study group and Group-B (n=60) normal TMJ as control group. Circulating omentin-1 protein levels were measured using colorimetric ELISA kit. SPSS package was used to find association between omentin-1 levels and painful TMDs with respect to age and sex.

Results: Circulating omentin-1 protein levels were significantly less in the study group as compared to controls.

Conclusion: Omentin-1 plays an important role in the pathogenesis of chronic TMDs and effective interventions which can alter the level of omentin-1 have a potential use in the management of chronic pain in TMDs.

Biography

Mamta Malik has her keen interest in imparting oral health care with fine skills to one and all with interest of utmost intensity in relieving pain of orofacial region and imparting education to patients henceforth to improve the further hygiene. Above all she was honored with best outgoing student award after her post-graduation in year 2011 from her esteemed college. She has attended and presented multiple papers and posters in national and international conferences, conventions and CDE programs. She has attended various workshops, table clinics and hands-on on dental topics at national and international conferences. Among the best in her credit she has a long list of national and international publications around more than 60 in number, along with having Authorship and Co-authorship in 2 books in field of dentistry published under Lombard publication. Her field of interest is diagnosis and management of orofacial pain.

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