

Abstract:

Title: Investigation of Serum Zinc Level in Patients with Recurrent Aphthous Stomatitis

Introduction: Recurrent aphthous ulcers are common painful mucosal conditions affecting the oral cavity. It seems that blood cells disorders is a etiological factor within some patients whit recurrent pathos stomatitis, thus, the present study has been conducted to consider the serum level of zinc within the patients whit recurrent aphthous stomatitis (RAS).

Methodology: though the Patients with aphthous stomatitis who have been referred to dental Clinic located in Ardabil Medical Sciences University, were asked to refer to Ardabil Danesh-Novin Laboratory in order to their zinc- serum level be evaluated (S-Br-PARS). Regarding some of the similar studios, 32 individuals with RAS and 32 healthy individuals (control group) were selected, randomly zinc- serum levels were evaluated by use of Zinc diagnostic kit instrument obtained data was analyzed by the software SPSS 22.

Results: Obtained results demonstrated that the mean and standard deviation of zinc- serum level in patient with ARS ($72.46 \pm 3.45 \mu\text{g/dl}$) are less than control group ($78.13 \pm 11.50 \mu\text{g/dl}$). Which regarding statistical point of view, this difference was meaningful ($P < 0.05$)

Conclusion: Accordingly, there is a meaningful difference between RAS group s and control groups zinc- serum levels.

Keywords: Recurrent aphthous stomatitis, Zinc, Mouht aphthous.