

LETTER TO THE EDITOR

The influence of hand held mobile phone on human parotid gland secretion

Dear C.Scully, Editor of Oral Diseases

I would like to congratulate O Goldwein and DJ Aframian for their original article entitled "The influence of hand-held mobile phones on human parotid gland secretion". However, I have a few questions on the Materials and Methods section of the article.

1-As we know, anemia can affect salivary flow rate. If anemia is considered as a chronic systemic disease, we are agreed that the original article has excluded the patients with anemia.

2-In this study, one of the exclusion criteria was trauma separately noted of past head and neck injury.

Trauma to the body except the head and neck does not appear to change the salivary flow rate.

3-Saliva secretion rate and protein concentration were different in subjects whose dominant side was right, compared with the subjects whose dominant side was left. This is an objective result of this study that only noted in the results, but there is no preliminary explanation. It would be better to notify again as a recommendation for future studies.

4-You have reported that almost half the participants used hands-free accessories. In view of the fact that this device has higher radiation, if most or all of right dominant side participants used the device, is it not likely to cause differences in right dominant and left dominant subjects?

5-Decreasing effects of the MPH use on sympathetic pathway is in sufficient to explain the different protein concentration in dominant and non-dominant sides.

Moreover, your hypothesis for explanation of increasing the salivary flow rate is in contrast to results of this study that no correlation was found between daily MPH time use and the saliva secretion rate; and that with increasing of years of MPH use, the ratio of saliva secretion between the dominant and non-dominant sides decreased.

We are agreed that original article only shows us the objective results and preliminary explanation. As these statements are very brief in discussion, while they are important, we recommend that they be noted as recommendation in conclusion.

Yours faithfully

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