

Park Blvd Dentistry

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Visit our website



We, at PBD, are always concerned about our patients' health but in particular with regards to smoking. Please take a moment to read the below article.

Study Suggests E-Cigarettes May Damage Cells In Mouth.

The [Daily Mail](#) (6/28, Pickles) reported a new UCLA study released last week found using e-cigarettes "may not be much safer than tobacco when it comes to oral health." Researchers found that e-cigs "contain toxic substances and nanoparticles that could kill the top layer of skin cells in the oral cavity - behind teeth and gums." Lead researcher Dr. Shen Hu "took cell cultures from the outermost layer of the oral cavity and exposed the cells to two different brands of e-cigarette vapour for 24 hours." The vapour contained "varying amounts of nicotine or menthol" generated by a machine designed "to 'smoke' cigarettes like a human would." Lab tests on cultured cell lines indicated the vapours "may significantly weaken the oral cavity's natural defence mechanism by decreasing the levels of an antioxidant called glutathione." The results were published in the journal PLOS One.

According to [My News LA \(CA\)](#) (6/27), Dr. Hu said there has been significant research on the effects of conventional cigarettes on human health, but "there has been much less research on the health risks of e-cigarettes, particularly their effect on the oral cavity - the portion of the mouth behind the teeth and gums." His team will next translate its findings to a human study. Hu said, "Our hope is to develop a screening model to help predict toxicity levels of e-cigarette products, so that consumers are better informed."



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