

## Analysis of hydroxyapatite microelements on the surface of titanium implants

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**Abstract:** The histocompatibility of an implant into bone tissue and into gingival mucosa represents an area of great interest for researching various types of biomaterials. Therefore, a large number of studies are conducted focusing on themes which permanently attempt to optimise the interface between implant / maxillary bone / gingival mucosa. Our research pursues the qualitative analysis of hydroxyapatite deposits by using the spin coating method, as well as assessing these deposits by using an electron-scan microscope. The characteristics of films thus obtained, including adherence to the substratum, depend on deposit parameters, on the doped material and on the thermal treatments following the deposits.

**Keywords:** dental implant, hydroxyapatite, spin coating.

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