



Triple Alkaline Treatment of Titanium Surfaces for Calcium Phosphates Growth

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Titanium surface was chemically modified with sodium hydroxide, sodium silicate and calcium hydroxide with the purpose of improving metal prosthesis to bone adhesion. Results indicate that Ti modified plates immersed in Hanks solution exhibit increased calcium adsorption in comparison to untreated titanium. Calcium silicotitanate, b-tricalcium phosphate and apatites were detected on the coating.

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