

HYDROXYAPATITE COATING ON Ti PLATE BY DIPPING METHOD

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Hydroxyapatite(HAP)-coating metal composite were made by the dipping method. The specimen substrates were Ti plates with a thickness of 2mm.

The HAP coating was carried out in HAP-sol for 1 minute by the dipping method.

The concentrations of HAP-sol for coating ranged from 3.28 to 9.99 et%.

Excellent coating was observed on Ti substrate dipped onse in 9.99 wt% sol.

A surface pretreated with sandblasting provided a much better coating then a smooth surface.

As the concentration of sol increased, the weight changed and the coating thickness increased.

Above 7 wt% sol, they increased sharply.