One of the new techniques is the infiltration of materials to generate compounds with attractive properties. This paper shows the process that took place for infiltrate hydroxyapatite in titanium sponge. Hydroxyapatite was prepared by ultrasonication. While the metal foam was obtained by SPS, applying space-holder technique; for which the most suitable porosity was analyzed to ensure infiltration. The characteristics of the compound; as crystallinity, phase change and morphology were analyzed. The results have been compared based materials. This paper discusses the technique of sintering and successful development for clinical application.

Keywords: Titanium sponge, hydroxyapatite, composite

References:


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