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Cytotoxicity of the hybrid acrylic resin after glass fiber reinforcement with difference method

Sintotoksitas resin akrilik hybrid setelah penambahan glass fiber dengan metode berbeda

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Abstract

Glass fiber reinforcement of the hybrid acrylic resin with difference method can enhance residual monomer content of the material; it can cause cytotoxic effect on fibroblast cells. The purpose of this study was to know the cytotoxicity of hybrid acrylic resins after glass fiber reinforcement with difference method on the cultured fibroblasts. The squared specimens of 10 mm in length, 10 mm in width and 1.5 mm in thickness were cured for 20 minutes at 100°C. The fibroblast cells were grown in Eagle's Minimum Essential Medium to be 2 Â— 105 cells/ml, then the cells were added to the samples in the plates and incubated at 37Â°C. After 48 hours, the cytotoxic effect was determined by direct cell number count using microscope and a hemocytometer. The statistical analyses using one way ANOVA and LSD test showed that there were significant difference in cell viability (p

Keyword : hybrid, acrylic, resins, cytotoxicity, glass, fiber,

Daftar Pustaka:
12. PK Vallittu, (1996). Dimensional accuracy and stability of polymethyl methacrylate reinforced with metal wire or with continuous glass fiber. 1996. 75: .. :
29. BR Bird, (1981). Basic laboratory techniques in cell culture.: US. Centers for disease control
30. FT Forrester, (1981). Basic laboratory techniques in cell culture.: US. Centers for disease control