عنوان مقاله:

Titanium dioxide nanoparticles can induce apoptosis in cancer cells

محل انتشار:

فصلنامه پزشكى شخصى, دوره 5, شماره 19 (سال: 1399)

تعداد صفحات اصل مقاله: 3

نویسندگان:

Hamed Naghoosi - Research Center for Cancer Epidemiology and Screening, Aja University of Medical Sciences, Tehran, Iran and Infectious Diseases Research Center, Aja University of Medical Sciences, Tehran, Iran

Mohammad Ali Saremi - Personalized Medicine Research Center of AmitisGen, Tehran, Iran

خلاصه مقاله:

Nanotechnology involves the creation and manipulation of materials at nanoscale to create products that exhibit novel properties. Nano-TiOY, as one of the top five nanoparticles in annual production, is widely applied in industries ranging from healthcare to drug delivery. The properties of nanoTiOY have raised concerns regarding toxicity. Annexin V-FITC/PI double staining and a flow cytometer were used to detect apoptosis. A significant increase in apoptosis was observed at concentrations of TiOY-NP of Δo-100 μg/ml, varying between YΔ-Fo% apoptosis by YF h. To further investigate the aptotic and toxic effects of these substances, it is recommended that this study be performed in the in .vivo phase

کلمات کلیدی: Nanoparticle, TiO۲-NP, Hepatocellular, Apoptosis

لینک ثابت مقاله در پایگاه سیویلیکا:

https://civilica.com/doc/1223572

