

Gold nanoparticles for radiosensitizing and imaging of cancer cells**Ali Asghar Borran^{1†}, Ayoub Aghanejad^{2†}, Alireza Farajollahi¹, Jaleh Barar^{2,3}, Yadollah Omid^{2,3*}**¹Medical Physics Department, Faculty of Medicine, Tabriz University of Medical Sciences, Tabriz, Iran²Research Center for Pharmaceutical Nanotechnology, Biomedicine Institute, Tabriz University of Medical Sciences, Tabriz, Iran³Department of Pharmaceutics, Faculty of Pharmacy, Tabriz University of Medical Sciences, Tabriz, Iran**Short Running Title:** AuNPs for radiosensitizing of cancer cells*** Corresponding author**

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