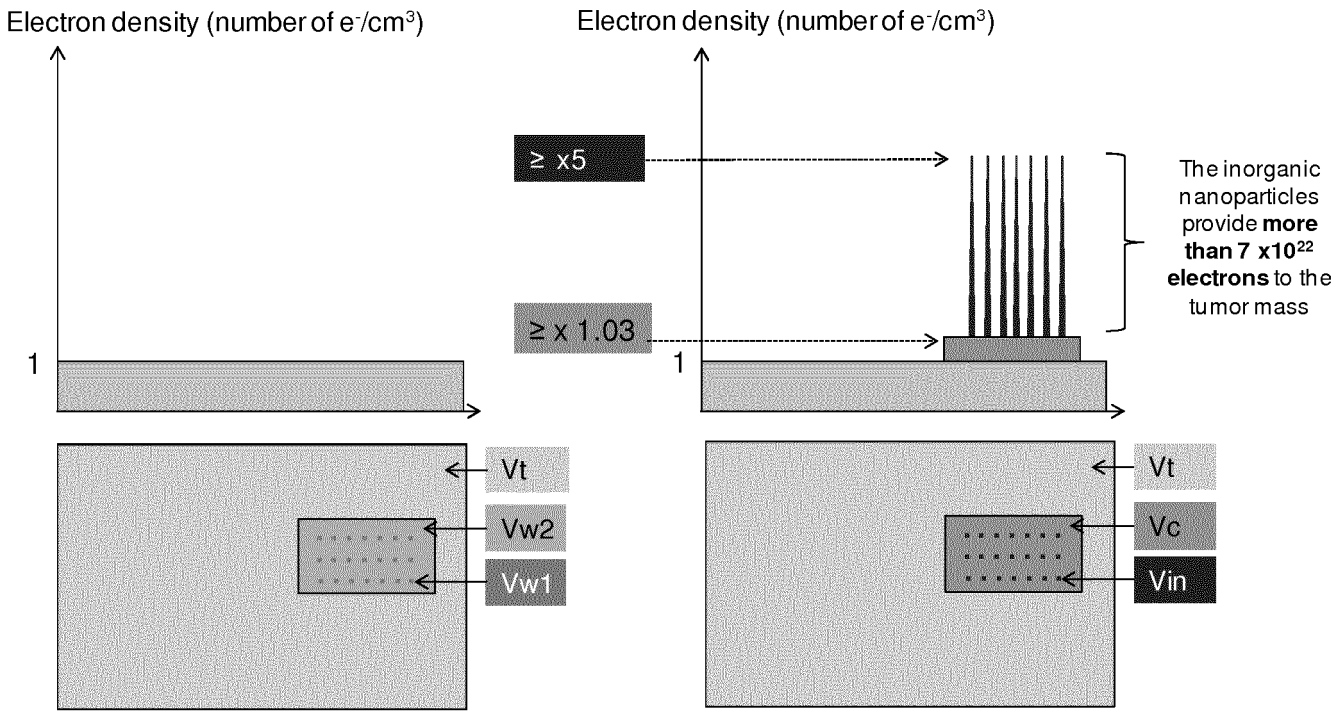

Electron density (number of e-/cm3)
1
Vt
Vw2
Vw1
Electron density (number of e-/cm3)
≥ x5
≥ x 1.03
1
The inorganic nanoparticles provide more than 7 x10^22 electrons to the tumor mass
Vt
Vc
Vin

FIGURE 1

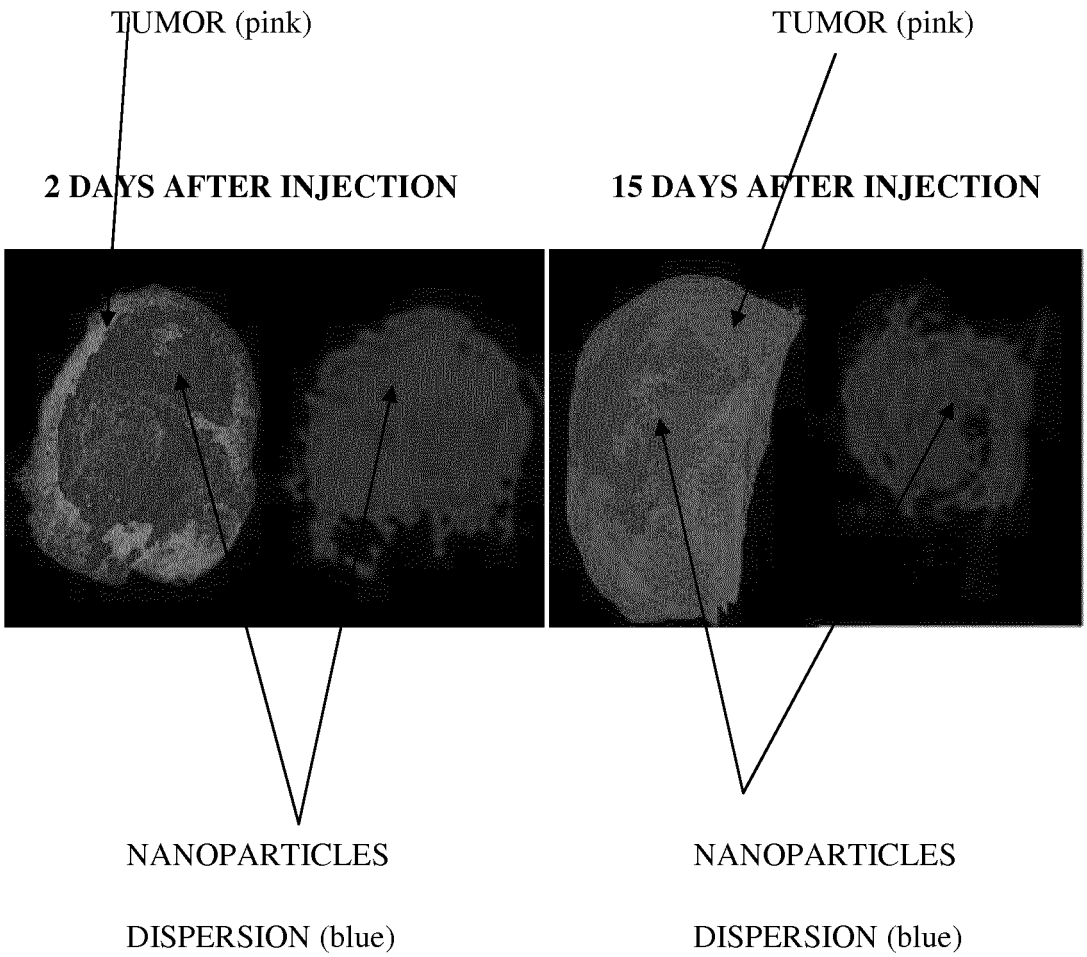

TUMOR (pink)
TUMOR (pink)
2 DAYS AFTER INJECTION
15 DAYS AFTER INJECTION
NANOPARTICLES
DISPERSION (blue)
NANOPARTICLES
DISPERSION (blue)

FIGURE 2

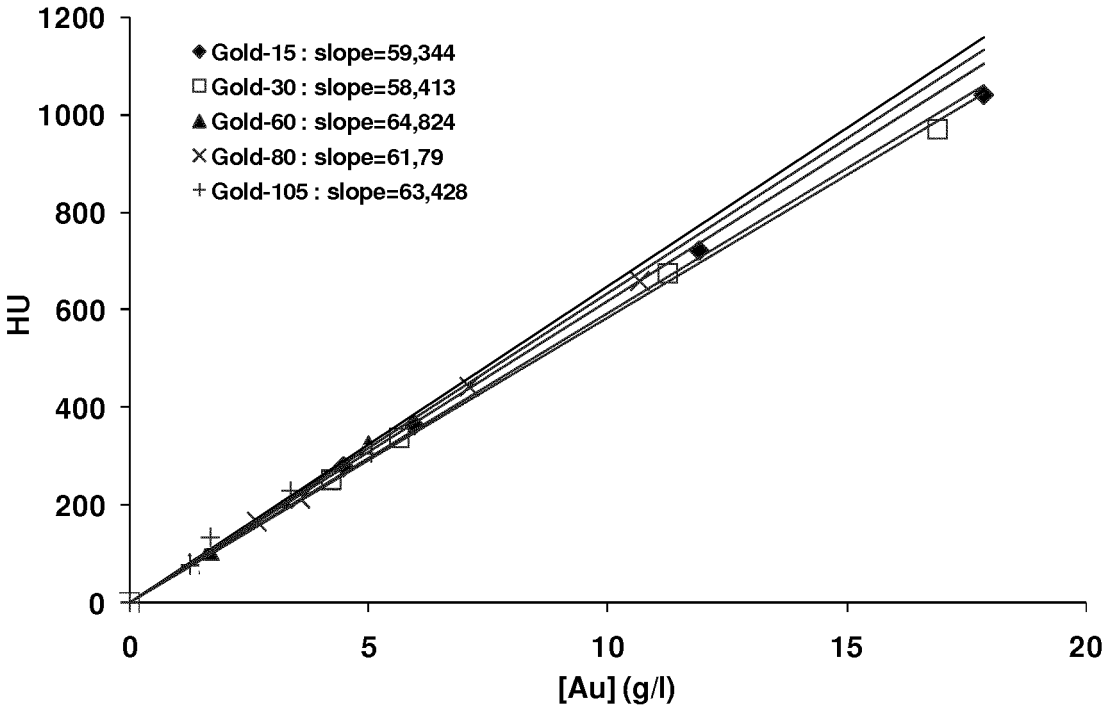

1200
1000
800
600
400
200
0
HU
0
5
10
15
20
[Au] (g/l)
Gold-15 : slope=59,344
Gold-30 : slope=58,413
Gold-60 : slope=64,824
Gold-80 : slope=61,79
Gold-105 : slope=63,428

FIGURE 3

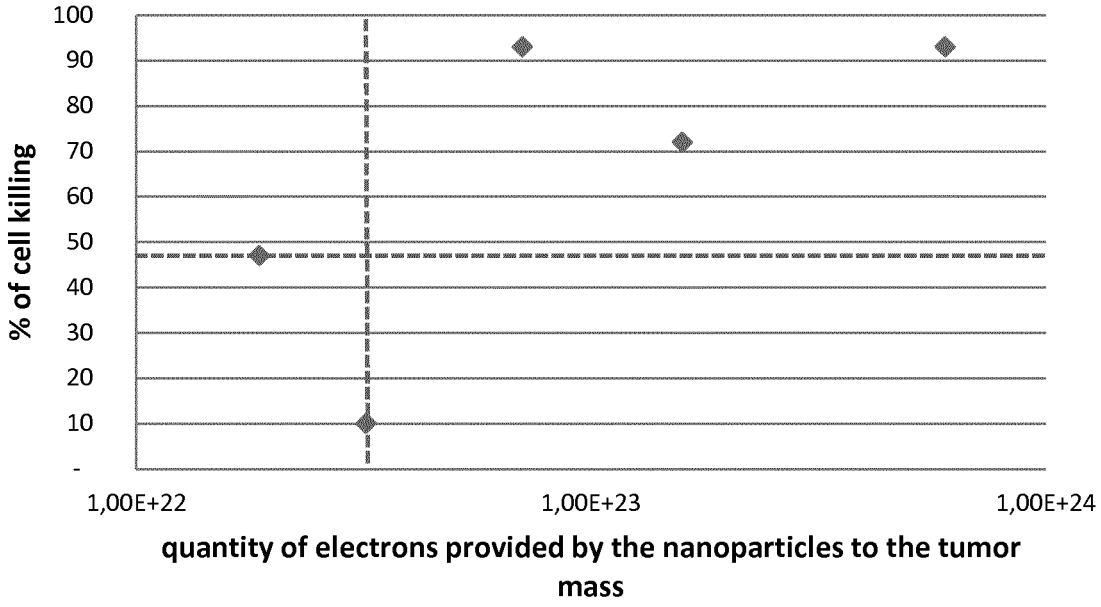

100
90
80
70
60
50
40
30
20
10
-
% of cell killing
1,00E+22
1,00E+23
1,00E+24
quantity of electrons provided by the nanoparticles to the tumor mass

FIGURE 4

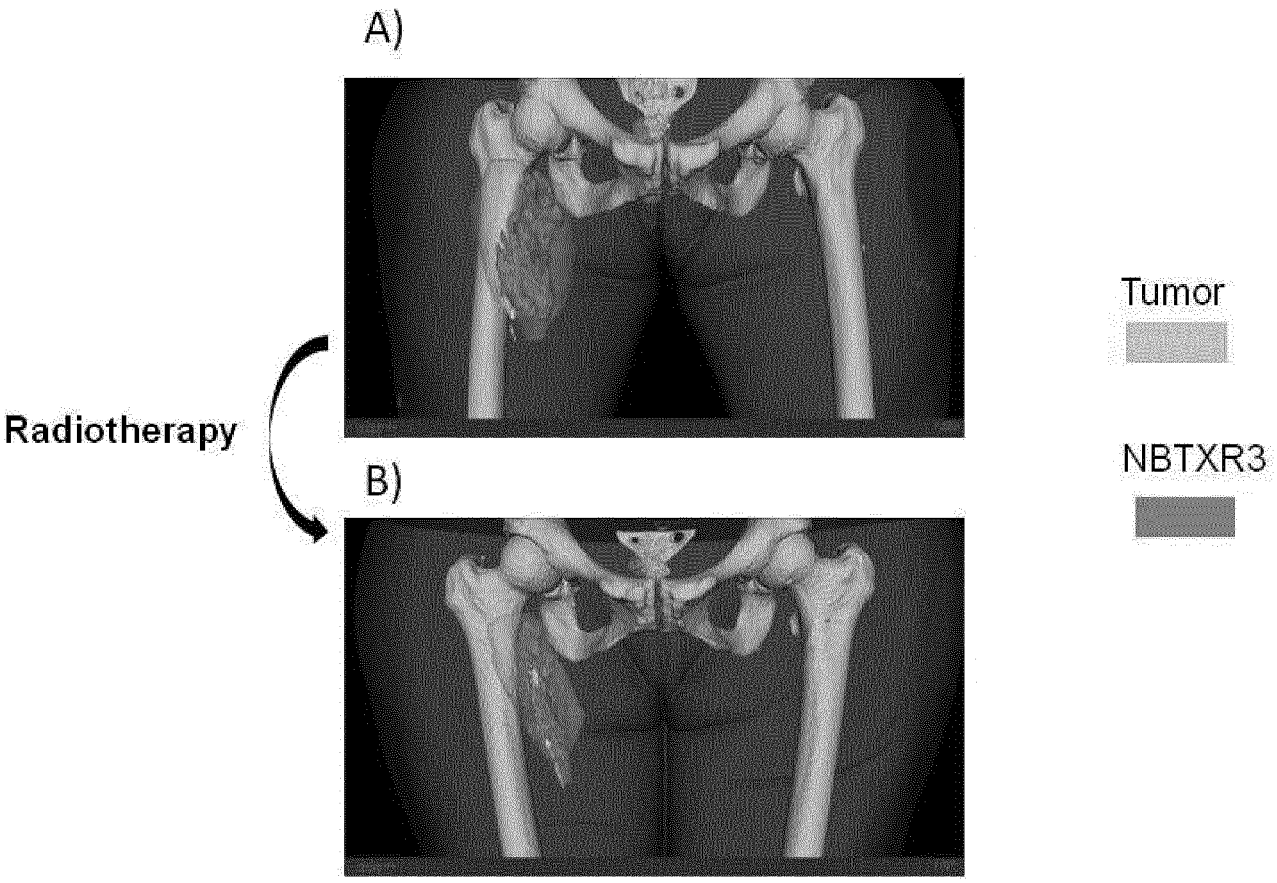


FIGURE 5