

Addition/Correction

Antibiofouling Polymer-Coated Gold Nanoparticles as a Contrast Agent for in Vivo X-ray Computed Tomography Imaging [*J. Am. Chem. Soc.* 2007, 129, 7661–7665].

Dongkyu Kim, Sangjin Park, Jae Hyuk Lee, Yong Yeon Jeong, and Sangyong Jon

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Antibiofouling Polymer-Coated Gold Nanoparticles as a Contrast Agent for in Vivo X-ray Computed Tomography Imaging [*J. Am. Chem. Soc.* **2007**, *129*, 7661–7665]. Dongkyu Kim, Sangjin Park, Jae Hyuk Lee, Yong Yeon Jeong,* and Sangyong Jon*

We found that there were two errors in Figure 2. One is in the format of Figure 2 itself, and the other is in the CT value of Ultravist. The format of Figure 2 was not appropriate to compare the efficacy as a CT contrast agent between the PEG-coated gold nanoparticles (GNPs) and Ultravist. In the corrected Figure 2 below, the CT value is denoted as a function of concentration (M in log scale, not mg/mL) of GNPs. On the other hand, the corrected CT value of Ultravist in the corrected Figure 2 revealed that GNPs had about 1.9 times higher X-ray absorption than Ultravist, not 5.7 times as described in the published paper. Despite the above-mentioned errors, however, the concept and the usefulness of GNPs as a CT contrast agent are still valid because those errors might have little influence on the conclusion of the paper. The detailed corrections are described below.

Corrected Figure 2 and the figure caption

The paragraph of page 7663, column 2, lines 17–24 should be rewritten as follows:

Figure 2 shows that 1.27 M of PEG-coated GNPs gave an equivalent X-ray absorption as 2.36 M of Ultravist (corresponding to 300 mg I/mL). In other words, at the same concentration, the attenuation coefficient of the PEG-coated GNPs is 1.9 times higher than that of the current iodine-based CT contrast agent.

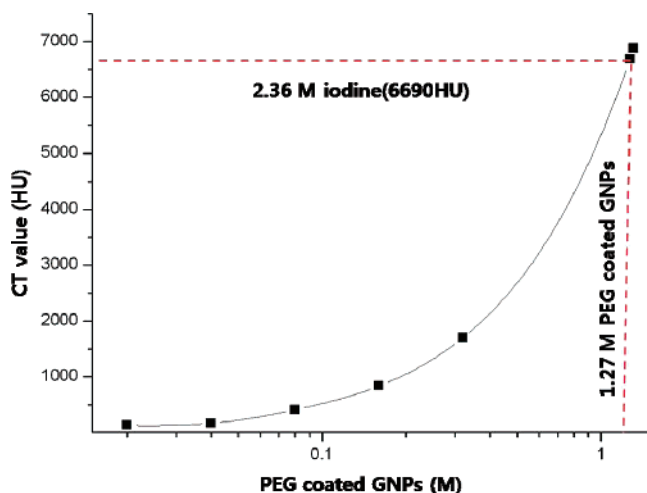


Figure 2. HU measurements of the PEG-coated GNPs in vitro. The measurements show that 1.27 M of PEG-coated GNPs gives an equivalent X-ray absorption as 2.36 M (300 mg iodine/mL) of the conventional iodine contrast agent, Ultravist.

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One-Electron Photooxidation and Site-Selective Strand Cleavage at 5-Methylcytosine in DNA by Sensitization with 2-Methyl-1,4-naphthoquinone-Tethered Oligonucleotides [*J. Am. Chem. Soc.* **2007**, *129*, 8034–8040]. Kazuhito Tanabe,* Hisatsugu Yamada, and Sei-ichi Nishimoto*

Page 8035. The wrong DNA sequences were reported in Figure 1. The correct sequences are shown below.

ODN1(X): 5'-CTC TGT GCG CCX GTC TCT-3'

ODN 6: 5'-CTC TGT GCG CC-3'

ODN 7: 5'-CTC TGT GCG CCNQ₂-3'

Page 8038. The wrong name of DNA was reported in Table 1. ODN 2(mC) should be corrected to ODN 2(^mC).

We thank Prof. Yoshihiro Kudo for bringing this error to our attention.

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