

Compton imaging with ^{99m}Tc for human imaging

Makoto Sakai, PhD^{1*}, Yoshiki Kubota¹, Raj Kumar Parajuli^{1,2}, Mikiko Kikuchi¹, Kazuo Arakawa¹, Takashi Nakano, MD, PhD³

¹ Gunma University Heavy Ion Medical Center, Graduate School of Medicine, Gunma University, 3-39-22 Showa-machi, Maebashi, Gunma, Japan

² Department of Molecular Imaging and Theranostics, National Institutes for Quantum and Radiological Science and Technology, Anagawa 4-9-1, Inage, Chiba, Japan.

³ Department of Radiation Oncology, Gunma University Graduate School of Medicine, 3-39-22 Showa-machi, Maebashi, Gunma, Japan

***Corresponding author:**

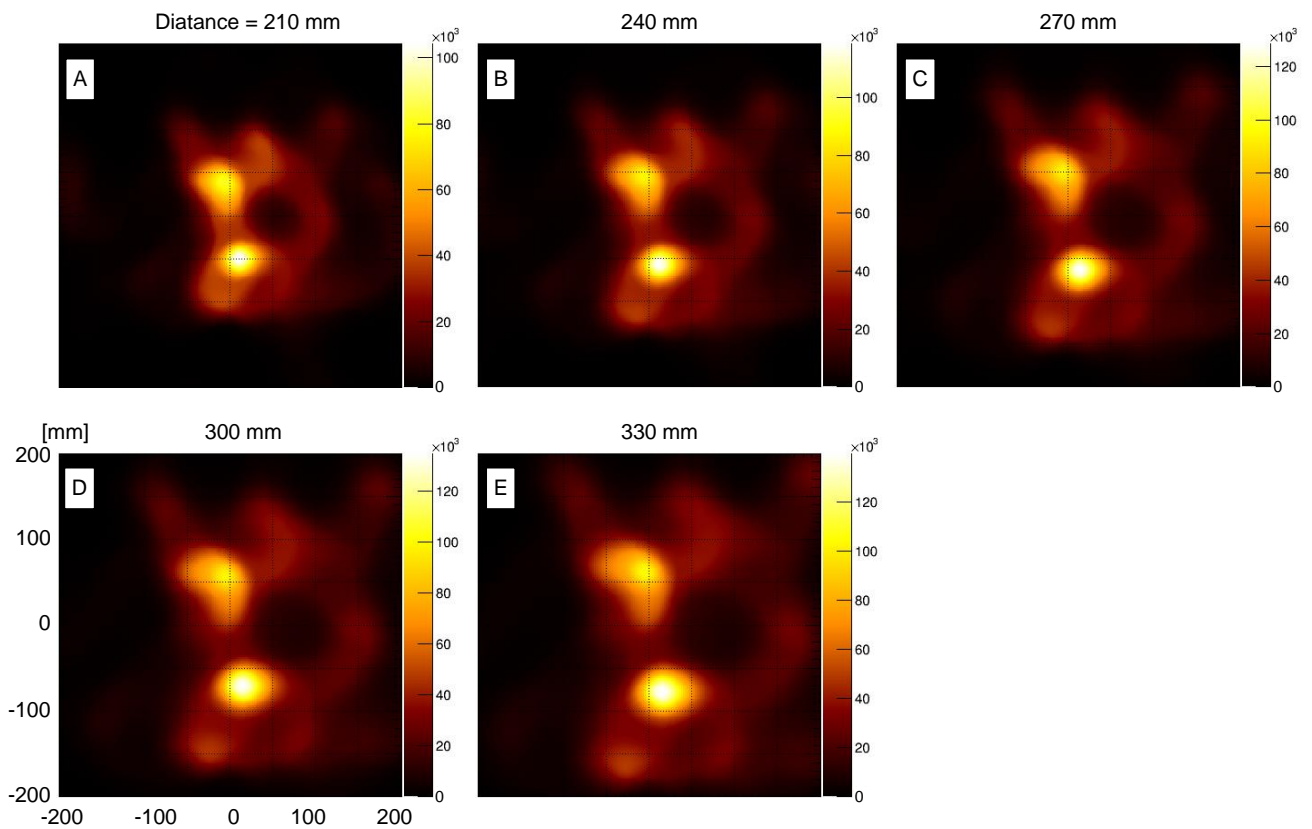
Makoto Sakai

3-39-22 Showa-machi, Maebashi, Gunma 371-8511, Japan

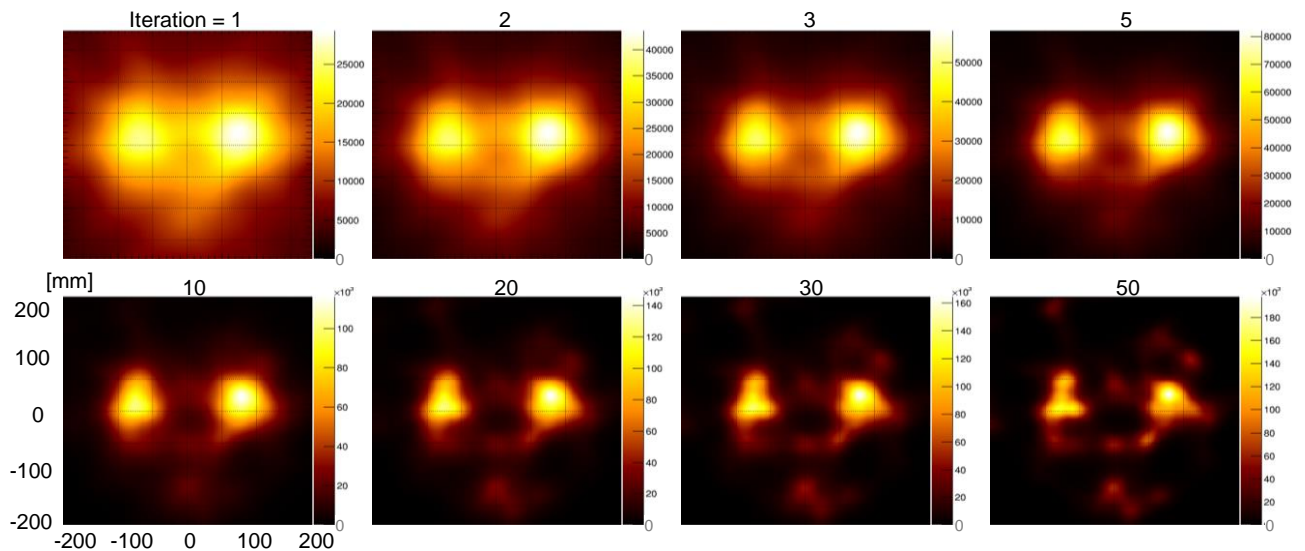
Tel: +81-27-220-8378

Fax: +81-27-220-8379

E-mail: sakai-m@gunma-u.ac.jp



Supplementary Figure S1. Reconstructed images of experimental study with inaccurate distance to the imaging surface. The numerical numbers above the images expressed the distance. (C) is a re-post of Figure 7(A) and it was reconstructed with the correct distance.



Supplementary Figure S2. Compton images of the simulation study reconstructed using the ML-EM algorithm. The numerical numbers above the images indicated the number of iterations.