

Istituto di Bioimmagini e Fisiologia Molecolare (IBFM)

In vivo study with DO2S2A-64Cu complex

Resp. Loc. Giorgio Russo

















Istituto di Bioimmagini e Fisiologia Molecolare (IBFM)





Chemical structure of the molecules used in the experimentation.

DO2A2S

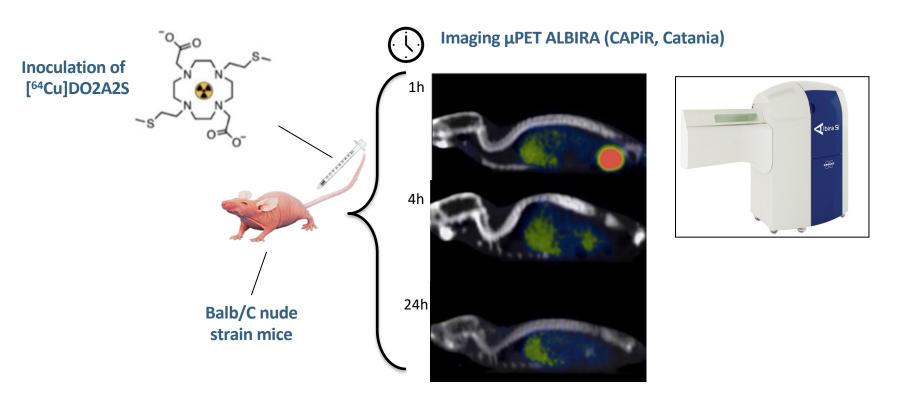
Biodistribution of DO2A25 in 9 mice \rightarrow 1h \rightarrow 4h \rightarrow 24H Organs evaluation

Radiochemistry Activites at Cannizzaro Hospital Reserach Laboratory





A New Preclinical Decision Support System Based on PET Radiomics: A Preliminary Study on the Evaluation of an Innovative ⁶⁴Cu-Labeled Chelator in Mouse Models



The methods

Algorithms Volumes of Interest extraction CT to 3D whole-body Digimouse Atlas Metrics Radiomics Extraction Texture

Belma Dogdas et al 2007 Phys. Med. Biol. 52 577

Results



70.00%

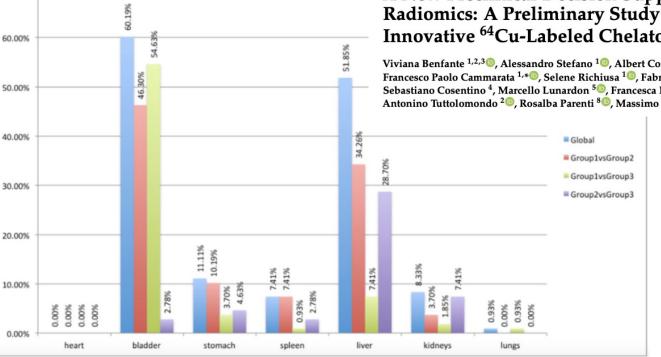






A New Preclinical Decision Support System Based on PET Radiomics: A Preliminary Study on the Evaluation of an Innovative ⁶⁴Cu-Labeled Chelator in Mouse Models

Viviana Benfante 1,2,3,0, Alessandro Stefano 1,0, Albert Comelli 3,0, Paolo Giaccone 3, Francesco Paolo Cammarata 1,* 0, Selene Richiusa 10, Fabrizio Scopelliti 4, Marco Pometti 4, Milene Ficarra 1, Sebastiano Cosentino ⁴, Marcello Lunardon ⁵, Francesca Mastrotto ⁶, Alberto Andrighetto ⁷, Antonino Tuttolomondo 20, Rosalba Parenti 80, Massimo Ippolito 4 and Giorgio Russo 10





Thanks for your attention



















