

ABSTRACT

MEDICAL IMAGE GENERATION METHOD AND DEVICE, ARTIFICIAL INTELLIGENCE MODEL TRAINING METHOD AND DEVICE, AND PROGRAM

An object of the present invention is to generate a synthetic image which is similar to a positron emission tomography (PET) image from a magnetic resonance (MR) image of a patient. One embodiment of the present invention provides, a medical image generation method characterized by causing execution of the steps of: acquiring a magnetic resonance (MR) image of a particular patient suspected of having a certain disease; and generating, from the MR image of the particular patient, a synthetic image similar to a positron emission tomography (PET) image, by using a learned model obtained by learning an artificial intelligence model by using, as learning data, MR images of patients diagnosed to have the disease and the PET images corresponding to the MR images.