Abstract

Digital Imaging and Communications in Medicine (DICOM) standard is an image archive system which allows itself to serve as an image manager that control the acquisition, retrieval, and distributions of medical images within entire picture archiving and communication systems (PACS). The DICOM technology is suitable when sending images between different departments within hospitals or/and other hospitals, and consultants. However, some hospitals lack the DICOM system. In this paper proposed algorithm view and converts .dcm image files into bmp, png, jpeg standard image, whereby the image should be viewable, with common image viewing programs and its size should be small.
Conversion of DICOM Image into JPEG, BMP and PNG Image Format

System Images To Common Standard Image Format Using Matlab; Asia SENSE. 2003
SENSOR. pg. 251 – 255
- Mario Musta, Kresimir Delac, Mislav Grgic; Overview of the DICOM Standard; 50th International Symposium ELMAR-2008, 10-12 September 2008, Zadar, Croatia
- NEMA Publications; "DICOM strategic document"; "Digital Imaging and Communications in Medicine (DICOM)" Ver. 8.0, April 2008
- Digital Imaging and Communications in Medicine (DICOM) Part 1: Introduction and Overview Published by National Electrical Manufacturers Association 1300 N. 17th Street Rosslyn, Virginia 22209 USA
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