Softneta

DICOM Conformance Statement for WEB DICOM Viewer

MedDream

Version 2.01

2009-10-08

MedDream DICOM v3.0 conformance summary

Introduction

This section is an abbreviated DICOM conformance statement for MedDream DICOM viewer.

Supported transfer syntaxes (Reading)

The Transfer Syntax UID is in the file DICOM Tag field (0002,0010).

Uncompressed Transfer Syntax	Description
1.2.840.10008.1.2	Implicit VR - Little Endian
1.2.840.10008.1.2.1	Explicit VR - Little Endian
1.2.840.10008.1.2.1.99	Deflated Explicit VR - Little Endian
1.2.840.10008.1.2.2	Explicit VR - Big Endian
1.2.840.113619.5.2	Implicit VR - Big Endian (G.E Private)
RLE Transfer Syntax	
1.2.840.10008.1.2.5	Run Length Encoding, Lossless
JPEG Transfer Syntax	
1.2.840.10008.1.2.4.50	JPEG Baseline (Process 1)
1.2.840.10008.1.2.4.51	JPEG Extended (Process 2 & 4)
1.2.840.10008.1.2.4.57	JPEG Lossless, Non-Hierarchical (Process 14)
1.2.840.10008.1.2.4.70	JPEG Lossless, Hierarchical, First-Order Prediction (Process 14)
1.2.840.10008.1.2.4.90	JPEG 2000 Image Compression (Lossless Only)
1.2.840.10008.1.2.4.91	JPEG 2000 Image Compression
1.2.840.10008.1.2.4.100	MPEG2 Main Profile @ Main Level

Supported "Photometric Interpretation" pixel format (Reading)

The Photometric Interpretation UID is in the file DICOM Tag field (0028,0004).

Photometric Interpretation pixel format	Description
MONOCHROME1	grey level image description (high values=dark, low values=bright)
MONOCHROME2	grey level image description (high values=bright, low values=dark)
PALETTE COLOR	pseudo color image description
RGB	true color image description
YBR_FULL	true color image description
YBR_FULL_422	true color image description

Supported 'Bits Allocated' values (Reading)

The Bits Allocated value is in the file DICOM Tag field (0020,0100).

Classical values	Description
8, 12, 16	12 means that 4 pixels are stored in 3 'short int'
Unusual values	**Description**
24	Some ACR-NEMA RGB files came with 'Bits Allocated' = 24 and “Samples Per Pixel” = 1, or with no “Samples Per Pixel”
32	Some ACR-NEMA files, “Bits Allocated” = 32