
Subject: Re: Siemens Axiom Artis DICOM images
Posted by [Rick Towler](#) on Mon, 05 Jan 2004 19:50:30 GMT
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"Ed" wrote in message...

- > Dear group
- > Has anyone had any experience reading DICOM images taken from a
- > Siemens Axiom Artis Cardiac Cath Lab system?
- >
- > I am unable to get IDL to open any of the files we have written to CD
- > from this unit.
- >
- > READ_DICOM reports that:
- > The file sample.dcm is not in a supported DICOM format
- >
- > And when I attempt to access the image data using
- > array=obj->GetValue('7fe0'x, '0010'x, /NO_COPY)
- > array becomes -1
- >
- > I can access the data from a GE CT scanner, and from a GE Full Field
- > Mammo unit.
- >
- > I can also view all the images including the siemens ones using
- > Osiris.
- >
- > Any help would be much appreciated.

I suggest reading the IDL help on "DICOM, conformance summary".
Specifically the "Encapsulated Transfer Syntaxes Not Supported" section.

You will find that the Siemens files are in a format that IDL doesn't
support. I would suggest trying to export the images in a supported
transfer syntax (I don't know if Osiris can do this).

-Rick

Subject: Re: Siemens Axiom Artis DICOM images
Posted by [ed.mcdonagh](#) on Tue, 06 Jan 2004 11:08:45 GMT
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"Rick Towler" <rtowler@u.washington.edu> wrote in message
news:<[btcfba\\$m44\\$1@nntp6.u.washington.edu](mailto:btcfba$m44$1@nntp6.u.washington.edu)>...

> "Ed" wrote in message...

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- >> Siemens Axiom Artis Cardiac Cath Lab system?
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<snip>

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> You will find that the Siemens files are in a format that IDL doesn't
> support. I would suggest trying to export the images in a supported
> transfer syntax (I don't know if Osiris can do this).
>
> -Rick

Thanks Rick. I checked, and the images I was looking at use lossless JPEG. I took a look at the Watsyn DICOM conformance statement, to see if it was a problem for Watsyn. Turns out it is only in the second version (1.2) of that program that they started supporting lossless JPEG.

If all Siemens DICOM images are in this format (I haven't checked yet), then surely this makes IDL's support of DICOM rather patchy as Siemens do have a significant chunk of the medical imaging market!

Has anyone found a way around this problem/know if there are going to be any updates to IDL to address it?

Thanks, Ed.
