
Subject: Re: problem with xroi

Posted by [Robert Barnett](#) on Thu, 07 Apr 2005 00:12:31 GMT

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What kind of medical images are they? Can't you use the DICOM format?

```
dicom_obj = obj_new('IDLffDICOM')
result = dicom_obj -> read('dicomfile.dcm')
dicom_obj -> dumpelements, 'dicomfile.dump'
```

Look at dicomfile.dump to find pixel data. In my instance I have several static images

```
138 : (7FE0,0010) : OW : PXL Pixel Data : 32768 : 0 0 0 0 0 0 0 0 0 0 0 0 ...
139 : (7FE0,0010) : OW : PXL Pixel Data : 32768 : 0 0 0 0 0 0 0 0 0 0 0 0 ...
140 : (7FE0,0010) : OW : PXL Pixel Data : 32768 : 0 0 0 0 0 0 0 0 0 0 0 0 ...
141 : (7FE0,0010) : OW : PXL Pixel Data : 32768 : 0 0 0 0 0 0 0 0 0 0 0 0 ...
142 : (7FE0,0010) : OW : PXL Pixel Data : 32768 : 0 0 0 0 0 0 0 0 0 0 0 0 ...
143 : (7FE0,0010) : OW : PXL Pixel Data : 32768 : 0 0 0 0 0 0 0 0 0 0 0 0 ...
144 : (7FE0,0010) : OW : PXL Pixel Data : 32768 : 0 0 0 0 0 0 0 0 0 0 0 0 ...
145 : (7FE0,0010) : OW : PXL Pixel Data : 32768 : 0 0 0 0 0 0 0 0 0 0 0 0 ...
146 : (7FE0,0010) : OW : PXL Pixel Data : 32768 : 0 0 0 0 0 0 0 0 0 0 0 0 ...
147 : (7FE0,0010) : OW : PXL Pixel Data : 32768 : 0 0 0 0 0 0 0 0 0 0 0 0 ...
148 : (7FE0,0010) : OW : PXL Pixel Data : 32768 : 0 0 0 0 0 0 0 0 0 0 0 0 ...
149 : (7FE0,0010) : OW : PXL Pixel Data : 32768 : 0 0 0 0 0 0 0 0 0 0 0 0 ...
150 : (7FE0,0010) : OW : PXL Pixel Data : 32768 : 0 0 0 0 0 0 0 0 0 0 0 0 ...
151 : (7FE0,0010) : OW : PXL Pixel Data : 32768 : 0 0 0 0 0 0 0 0 0 0 0 0 ...
```

```
images = dicom_obj -> getValue('7FE0'x,'0010'x)
```

```
; Images should be a pointer array to the data with the matching dicom element "(7FE0,0010)"
; IDL works out the image dimensions for you so you don't need to reform the data
```

```
tv, *images[0]
```

```
xroi, *images[0]
```

As to your second problem. You might need to scale the image to byte so it looks like it would if you did tvscl.

```
tv, tvscl, *images[0]
```

```
xroi, fix((float(*images[0]))*255/max(*images[0]))
```

On 6 Apr 2005 08:57:49 -0700

"Pravs" <praveshsubramanian@yahoo.com> wrote:

```
>
> Hello:
>
```

> 2 problems:
>
> 1. I have medical images in GE Format. As IDL cannot open it, I tried
> to act smart and converted them to JPG. The trade-off being that I have
> grayscale images.
>
> I was wondering if we have an image reader for the GE Format otherwise
> how can I work around this problem?
>
>
> 2. xroi seems to be open

--

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