
Subject: dicom question

Posted by [Richard Tyc](#) on Fri, 20 Aug 1999 07:00:00 GMT

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Is there a DICOM field that defines the mm/pixel parameter for an image that I can query ? For a series of MR slices, is there a field that defines the slice depth ?

I am trying to create 3D object data from MR slices and I need to reference true dimensional distance (mm) within the volume ?

Thanks in Advance

Rich

Subject: Re: dicom question

Posted by [Ivan Zimine](#) on Mon, 23 Aug 1999 07:00:00 GMT

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Richard Tyc wrote:

>
> Is there a DICOM field that defines the mm/pixel parameter for an image that
> I can query ? For a series of MR slices, is there a field that defines the
> slice depth ?
>
> I am trying to create 3D object data from MR slices and I need to reference
> true dimensional distance (mm) within the volume ?
>
> Thanks in Advance
>
> Rich

Hello Richard,

here's how i get this info

```
dci = OBJ_NEW('IDLffDICOM')
res = dci->Read(dicomfile)
val = dci->GetValue('0028'x,'0010'x, /no_copy) ; rows
rows = Fix(*val[0])
val = dci->GetValue('0028'x,'0011'x, /no_copy) ; columns
cols = Fix(*val[0])
val = dci->GetValue('0028'x,'0030'x, /no_copy) ; pixel size
vsize = Str_Sep(*val[0], '\')
vxs = Float(vsize[0])
vys = Float(vsize[1])
val = dci->GetValue('0018'x,'0050'x, /no_copy) ; slice thickness
```

```
vzs = Float(*val[0])  
OBJ_DESTROY, dci
```

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