

Subject: Re: DICOM directory
Posted by [justspam03](#) on Wed, 15 Apr 2009 06:47:14 GMT
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Hi all,

no - I guess you're looking for a way to resort your DICOM files based on their content. You find such a functionality (based on the series number) in my software 'Lupe' - downloadable from http://www.med.lu.se/klinvetlund/mr_physics/software

Check the file `mod_dicomtools__define.pro` and the method `resortDicomDir` therein. See the appended code snippet. It's easy to sort based on study UID or some other attribute instead.

Cheers

Oliver

`--8<--8<--8<--8<--8<--8<--8<--8<--8<--snip`

```
allfiles = findfile( sourcedir+"\*", count=nfiles )
if( nfiles eq 0 ) then message, 'No files in source directory' ;
can't happen, there's always '.' and '..'
```

```
for i = 0, nfiles-1 do begin
```

```
dicom = obj_new('idlffdicom', allfiles[i] )
if( dicom eq obj_new() ) then begin      ; loading failed
    obj_destroy, dicom
    continue
end
```

```
valptr = self->getTagValue( dicom, 32, 17 ) ; series number
if( not ptr_valid(valptr) ) then begin
  obj_destroy, dicom
  continue
end
seriesno = *valptr
```

```
valptr = self->getTagValue( dicom, 8, 4158 ) ; series description
if( not ptr_valid(valptr) ) then begin
  obj_destroy, dicom
  continue
end
seriesdesc = *valptr
```

```
; if .dcm extension is missing, add it to filename
; if target directory does not exist, create it
```

```
file = strtrim(file_basename(allfiles[i]),2)
if( strpos( allfiles[i], '.dcm', /reverse_search ) ne strlen(allfiles
[i])-4 ) then file = file+'.dcm'
```

```
tdir = targetDir + '\' + strtrim(seriesno,2) + '_' + strtrim
(seriesdesc,2)
tfil = tdir+'\'+file
if( not file_test( tdir, /directory ) ) then file_mkdir, tdir
```

```
file_copy, allfiles[i], tfil, /noexpand_path, /overwrite
obj_destroy, dicom
```

```
end
```
