

Visualizing an Image from DICOM file

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June 29, 2016

Read an DICOM file

This is example to read a DICOM file and display an image , by using this example code you must be install package oro.dicom first.

Download a DICOM file from Neurohacking_data repository

```
library(oro.dicom)

url <- "https://raw.githubusercontent.com/muschelli2/Neurohacking_data/master/BRAINIX/DICOM/T1/IM-0001-0001.dcm"
destfile <- "IM-0001-0001.dcm"
name <- file.path(getwd(), destfile)
download.file(url, destfile,mode="wb") # DICOM is binaryfile format
dcm <- readDICOMFile(destfile)
```

Show Manufacturer from file header by call extractHeader

```
extractHeader(dcm$hdr, "Manufacturer", numeric=FALSE)
```

```
## [1] "Philips Medical Systems"
```

Read an DICOM file

```
image(t(dcm$img), col=grey(0:64/64), axes=FALSE, xlab="", ylab="",
      main="Example image from DICOM file")
```

Example image from DICOM file

