DICOM (Digital Imaging and Communications in Medicine)

In [20]:
```python
#importing the required library to read the DICOM file
import pydicom

datafile = pydicom.dcmread('C:/Users/Instant/Desktop/Dicom_Image/ttfm.dcm')
```

In [18]:
```python
#display the tag code in string
data = datafile.tags
data_string = ','.join(map(str,(data)))
data_string
```

Out[18]: '(0008, 0005),(0008, 0008),(0008, 0016),(0008, 0018),(0008, 0020),(0008, 002
1),(0008, 0023),(0008, 0030),(0008, 0031),(0008, 0033),(0008, 0050),(0008, 00
60),(0008, 0070),(0008, 0080),(0008, 0081),(0008, 0090),(0008, 1010),(0008, 1
030),(0008, 1050),(0008, 1090),(0008, 2144),(0010, 0010),(0010, 0020),(0010,
0030),(0010, 0040),(0010, 1020),(0010, 1030),(0010, 4000),(0018, 0040),(0018,
0072),(0018, 1000),(0018, 1020),(0018, 1063),(0018, 1244),(0018, 6011),(0020,
000d),(0020, 000e),(0020, 0010),(0020, 0011),(0020, 0013),(0020, 0020),(0020,
0060),(0020, 4000),(0028, 0002),(0028, 0004),(0028, 0006),(0028, 0008),(0028,
0009),(0028, 0010),(0028, 0011),(0028, 0100),(0028, 0101),(0028, 0102),(0028,
0103),(0028, 2110),(7fe0, 0010)'

In [19]:
```python
#display the tag name in string
data = datafile.dir()
data_string = ','.join(data)
data_string
```

Out[19]: 'AccessionNumber,BitsAllocated,BitsStored,CineRate,Columns,ContentDate,Conten
tTime,DeviceSerialNumber,EffectiveDuration,FrameIncrementPointer,FrameTime,Hi
ghBit,ImageComments,ImageType,InstanceNumber,InstitutionAddress,InstitutionNa
me,Laterality,LossyImageCompression,Manufacturer,ManufacturerModelName,Modali
ty,NumberOfFrames,PatientBirthDate,PatientComments,PatientID,PatientName,Pati
entOrientation,PatientSex,PatientSize,PatientWeight,PerformingPhysicianName,P
hotometricInterpretation,PixelData,PixelRepresentation,PlanarConfiguration,Pr
eferredPlaybackSequencing,RecommendedDisplayFrameRate,ReferringPhysicianName,
Rows,SOPClassUID,SOPInstanceUID,SamplesPerPixel,SequenceOfUltrasoundRegions,S
eriesDate,SeriesInstanceUID,SeriesNumber,SeriesTime,SoftwareVersions,Specific
CharacterSet,StationName,StudyDate,StudyDescription,StudyID,StudyInstanceUID,
StudyTime'