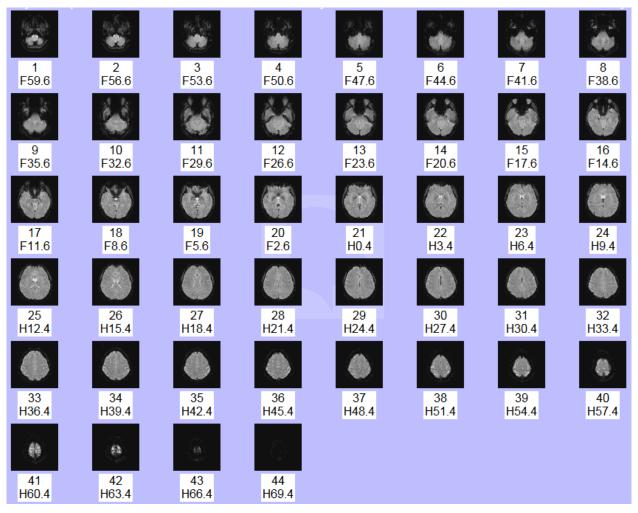# HMRC Technical Note *of Kwan-Jin Jung, Ph.D.*

Subject: Slice Timing of Simultaneous Multi-Slicing (SMS)

The slice timing information can be found from the field of 'MosaicRefAcqTimes' in the Dicom header. Please note that the slice timing is very different and complicated than SMS=1.

Here is an example of SMS=2 for 44 slices and TR=1.5.

Slice ordering: foot first

rev 1.0

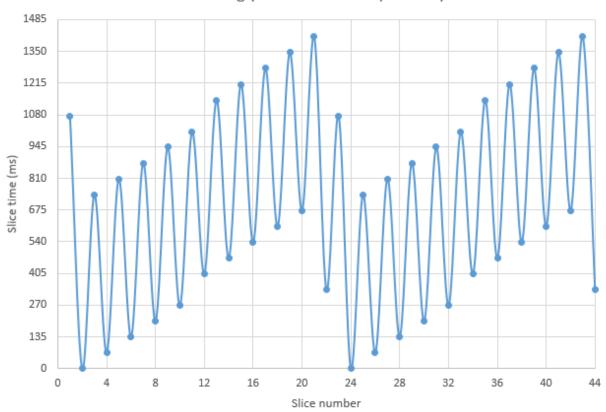## Dicom header: MosaicRefAcqTimes

```
FmriResultSequence=
MosaicRefAcqTimes=1075.00000000 0.00000000 740.00000001 67.50000000 807.50000001 135.00000001 875.00000000 202.5000
0000 942.50000000 267.50000000 1007.50000001 402.50000000 1142.50000000 470.00000000 1210.00000001 537.50000001 1277.5
0000000 605.00000000 1345.00000000 672.50000000 1412.50000001 335.00000001 1075.00000000 0.00000000 740.00000001 67.50
000000 807.50000001 135.00000001 875.00000000 202.50000000 942.50000000 267.50000000 1007.50000001 402.50000000 1142.5
0000000 470.00000000 1210.00000001 537.50000001 1277.50000000 605.00000000 1345.00000000 672.50000000 1412.50000001 3
35.00000001
AutoInlineImageFilterEnabled=
```

Plot of slice times

Slice Timing (Slice number=44, SMS=2)

rev 1.0