

## LightPath Example DICOM Information list – generated 16 March 2017

Below is a dump of an example LightPath DICOM Header. The LightPath specific acquisition parameters are present in the acquisition context sequence ((0040,0555). Each parameter is listed as a Name((0008,0104), Value((0040,A160), (0040,A30A), ...) pair.

|  |   |
|--|---|
| (0002,0000) UL 234   | # 1, 4 File Meta Information Group Length |
| (0002,0001) OB 00 01   | # 1, 2 File Meta Information Version      |
| (0002,0002) UI 1.2.840.10008.5.1.4.1.1.2                                       | # 1, 26 Media Storage SOP Class UID       |
| (0002,0003) UI 1.2.826.0.1.8108247.1.1001.931879717163233075934190373046225939 | # 1, 64 Media Storage SOP Instance UID    |
| (0002,0010) UI 1.2.840.10008.1.2.1   | # 1, 20 Transfer Syntax UID               |
| (0002,0012) UI 1.2.826.0.1.3680043.2.1143.107.104.103.115.2.4.4                | # 1, 48 Implementation Class UID          |
| (0002,0013) SH GDCM 2.4.4  | # 1, 10 Implementation Version Name       |
| (0002,0016) AE GDCM  | # 1, 4 Source Application Entity Title    |
| (0008,0008) CS ORIGINAL\PRIMARY\AXIAL  | # 3, 22 Image Type                        |
| (0008,0016) UI 1.2.840.10008.5.1.4.1.1.2                                       | # 1, 26 SOP Class UID                     |
| (0008,0018) UI 1.2.826.0.1.8108247.1.1001.931879717163233075934190373046225939 | # 1, 64 SOP Instance UID                  |
| (0008,0020) DA 20170207  | # 1, 8 Study Date                         |
| (0008,0021) DA 20170207  | # 1, 8 Series Date                        |
| (0008,0022) DA 20170207  | # 1, 8 Acquisition Date                   |
| (0008,0023) DA 20170207  | # 1, 8 Content Date                       |
| (0008,002A) DT 20170207151519.108000+0015                                      | # 1, 26 Acquisition DateTime              |
| (0008,0030) TM 150724.843000   | # 1, 14 Study Time                        |
| (0008,0031) TM 150724.843000   | # 1, 14 Series Time                       |
| (0008,0032) TM 151519.108000   | # 1, 14 Acquisition Time                  |
| (0008,0033) TM 151519.108000   | # 1, 14 Content Time                      |
| (0008,0050) SH   | # 0, 0 Accession Number                   |
| (0008,0060) CS CT  | # 1, 2 Modality                           |
| (0008,0070) LO Lightpoint Medical Ltd.   | # 1, 1024 Manufacturer                    |
| (0008,0090) PN   | # 0, 0 Referring Physician's Name         |
| (0008,1030) LO 07Feb2017_15h07m24s   | # 1, 1024 Study Description               |

|   |                                     |
|---|-------------------------------------|
| (0008,103E) LO Video completed 07Feb2017_15h07m24s                              | # 1, 1024 Series Description        |
| (0008,1070) PN not captured   | # 1, 12 Operators' Name             |
| (0008,1090) LO LightPath 1  | # 1, 1024 Manufacturer's Model Name |
| (0010,0010) PN  | # 0, 0 Patient's Name               |
| (0010,0020) LO I14  | # 1, 4 Patient ID                   |
| (0010,0030) DA  | # 0, 0 Patient's Birth Date         |
| (0010,0040) CS O  | # 1, 8 Patient's Sex                |
| (0018,0050) DS 1  | # 1, 32 Slice Thickness             |
| (0018,0060) DS 100  | # 1, 8 KVP                          |
| (0018,1020) LO LightPath LightPath 2.0.17.0                                     |                                     |
| ... # 1, 1024 Software Version(s)   |                                     |
| (0018,5100) CS HFS  | # 1, 8 Patient Position             |
| (0020,000D) UI 1.2.826.0.1.8108247.1.1001.4944891101802812985970013301429175665 | # 1, 64 Study Instance UID          |
| (0020,000E) UI 1.2.826.0.1.8108247.1.1001.1869090337951596580958065902587712621 | # 1, 64 Series Instance UID         |
| (0020,0010) SH 07Feb2017_15h07m   | # 1, 16 Study ID                    |
| (0020,0011) IS 1  | # 1, 512 Series Number              |
| (0020,0012) IS 1  | # 1, 512 Acquisition Number         |
| (0020,0013) IS 1  | # 1, 512 Instance Number            |
| (0020,0032) DS 0.03375\0.03375\0  | # 3, 18 Image Position (Patient)    |
| (0020,0037) DS 1\0\0\0\1\0  | # 6, 12 Image Orientation (Patient) |
| (0020,0052) UI 1.2.826.0.1.8108247.1.1001.5881660259456869764918819363453272308 | # 1, 64 Frame of Reference UID      |
| (0020,1040) LO  | # 0, 0 Position Reference Indicator |
| (0020,4000) LT Type:Tumour\Session notes:\Scan notes:                           | # 3, 38 Image Comments              |
| (0028,0002) US 1  | # 1, 2 Samples per Pixel            |
| (0028,0004) CS MONOCHROME2  | # 1, 12 Photometric Interpretation  |
| (0028,0010) US 1200   | # 1, 2 Rows                         |
| (0028,0011) US 1600   | # 1, 2 Columns                      |
| (0028,0030) DS 0.061\0.061  | # 2, 12 Pixel Spacing               |
| (0028,0100) US 8  | # 1, 2 Bits Allocated               |
| (0028,0101) US 8  | # 1, 2 Bits Stored                  |
| (0028,0102) US 7  | # 1, 2 High Bit                     |

|                   |                             |
|-------------------|-----------------------------|
| (0028,0103) US 0  | # 1, 2 Pixel Representation |
| (0028,1052) DS 0  | # 1, 2 Rescale Intercept    |
| (0028,1053) DS 1  | # 1, 2 Rescale Slope        |
| (0028,1054) LO US | # 1, 2 Rescale Type         |

|  |                                     |
|--|-------------------------------------|
| (0040,0555) SQ                         | # 0, 0 Acquisition Context Sequence |
| (FFFE,E000)                            | # 1, Undefined Item                 |
| (0040,A043) SQ                         | # 0, 0 Concept Name Code Sequence   |
| (FFFE,E000)                            | # 1, Undefined Item                 |
| (0008,0100) SH ConfigFileName          | # 1, 14 Code Value                  |
| (0008,0102) SH LightPath               | # 1, 10 Coding Scheme Designator    |
| (0008,0104) LO ConfigFileName          | # 1, 14 Code Meaning                |
| (FFFE,E00D)                            | # 0, 0 Item Delimitation Item       |
| (FFFE,E0DD)                            | # 0, 0 Sequence Delimitation Item   |
| (FFFE,E00D)                            | # 0, 0 Item Delimitation Item       |
| (FFFE,E000)                            | # 1, Undefined Item                 |
| (0040,A160) UT C:\LPM Data\Default.cfg | # 3, 24 Text Value                  |
| (FFFE,E00D)                            | # 0, 0 Item Delimitation Item       |
| (FFFE,E000)                            | # 1, Undefined Item                 |
| (0040,A043) SQ                         | # 0, 0 Concept Name Code Sequence   |
| (FFFE,E000)                            | # 1, Undefined Item                 |
| (0008,0100) SH SampleType              | # 1, 10 Code Value                  |
| (0008,0102) SH LightPath               | # 1, 10 Coding Scheme Designator    |
| (0008,0104) LO SampleType              | # 1, 10 Code Meaning                |
| (FFFE,E00D)                            | # 0, 0 Item Delimitation Item       |
| (FFFE,E0DD)                            | # 0, 0 Sequence Delimitation Item   |
| (FFFE,E00D)                            | # 0, 0 Item Delimitation Item       |
| (FFFE,E000)                            | # 1, Undefined Item                 |
| (0040,A160) UT Incised                 | # 1, 8 Text Value                   |
| (FFFE,E00D)                            | # 0, 0 Item Delimitation Item       |

|                            |  |
|----------------------------|--|
| (FFFE,E000)                | # 1, Undefined Item                    |
| (0040,A043) SQ             | # 0, 0 Concept Name Code Sequence      |
| (FFFE,E000)                | # 1, Undefined Item                    |
| (0008,0100) SH Filter      | # 1, 6 Code Value                      |
| (0008,0102) SH LightPath   | # 1, 10 Coding Scheme Designator       |
| (0008,0104) LO Filter      | # 1, 6 Code Meaning                    |
| (FFFE,E00D)                | # 0, 0 Item Delimitation Item          |
| (FFFE,E0DD)                | # 0, 0 Sequence Delimitation Item      |
| (FFFE,E00D)                | # 0, 0 Item Delimitation Item          |
| (FFFE,E000)                | # 1, Undefined Item                    |
| (0040,A30A) DS 4           | # 1, 2 Numeric Value                   |
| (FFFE,E00D)                | # 0, 0 Item Delimitation Item          |
| (FFFE,E000)                | # 1, Undefined Item                    |
| (0040,08EA) SQ             | # 0, 0 Measurement Units Code Sequence |
| (FFFE,E000)                | # 1, Undefined Item                    |
| (0008,0100) SH {undefined} | # 1, 12 Code Value                     |
| (0008,0102) SH UCUM        | # 1, 4 Coding Scheme Designator        |
| (0008,0104) LO {undefined} | # 1, 12 Code Meaning                   |
| (FFFE,E00D)                | # 0, 0 Item Delimitation Item          |
| (FFFE,E0DD)                | # 0, 0 Sequence Delimitation Item      |
| (FFFE,E00D)                | # 0, 0 Item Delimitation Item          |
| (FFFE,E000)                | # 1, Undefined Item                    |
| (0040,A043) SQ             | # 0, 0 Concept Name Code Sequence      |
| (FFFE,E000)                | # 1, Undefined Item                    |
| (0008,0100) SH BinPixels   | # 1, 10 Code Value                     |
| (0008,0102) SH LightPath   | # 1, 10 Coding Scheme Designator       |
| (0008,0104) LO BinPixels   | # 1, 10 Code Meaning                   |
| (FFFE,E00D)                | # 0, 0 Item Delimitation Item          |
| (FFFE,E0DD)                | # 0, 0 Sequence Delimitation Item      |
| (FFFE,E00D)                | # 0, 0 Item Delimitation Item          |
| (FFFE,E000)                | # 1, Undefined Item                    |

(0040,A30A) DS 1

(FFFE,E00D)

(FFFE,E000)

(0040,08EA) SQ

(FFFE,E000)

(0008,0100) SH {undefined}

(0008,0102) SH UCUM

(0008,0104) LO {undefined}

(FFFE,E00D)

(FFFE,E0DD)

(FFFE,E00D)

(FFFE,E000)

(0040,A043) SQ

(FFFE,E000)

(0008,0100) SH AmplifierType

(0008,0102) SH LightPath

(0008,0104) LO AmplifierType

(FFFE,E00D)

(FFFE,E0DD)

(FFFE,E00D)

(FFFE,E000)

(0040,A160) UT Emccd

(FFFE,E00D)

(FFFE,E000)

(0040,A043) SQ

(FFFE,E000)

(0008,0100) SH PreamplifierGain

(0008,0102) SH LightPath

(0008,0104) LO PreamplifierGain

(FFFE,E00D)

(FFFE,E0DD)

# 1, 2 Numeric Value

# 0, 0 Item Delimitation Item

# 1, Undefined Item

# 0, 0 Measurement Units Code Sequence

# 1, Undefined Item

# 1, 12 Code Value

# 1, 4 Coding Scheme Designator

# 1, 12 Code Meaning

# 0, 0 Item Delimitation Item

# 0, 0 Sequence Delimitation Item

# 0, 0 Item Delimitation Item

# 1, Undefined Item

# 0, 0 Concept Name Code Sequence

# 1, Undefined Item

# 1, 14 Code Value

# 1, 10 Coding Scheme Designator

# 1, 14 Code Meaning

# 0, 0 Item Delimitation Item

# 0, 0 Sequence Delimitation Item

# 0, 0 Item Delimitation Item

# 1, Undefined Item

# 1, 6 Text Value

# 0, 0 Item Delimitation Item

# 1, Undefined Item

# 0, 0 Concept Name Code Sequence

# 1, Undefined Item

# 1, 10 Code Value

# 1, 10 Coding Scheme Designator

# 1, 10 Code Meaning

# 0, 0 Item Delimitation Item

# 0, 0 Sequence Delimitation Item

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|------------------------------------|--|
| (FFFF,E00D)                        | # 0, 0 Item Delimitation Item          |
| (FFFF,E000)                        | # 1, Undefined Item                    |
| (0040,A160) UT Gain1               | # 1, 6 Text Value                      |
| (FFFF,E00D)                        | # 0, 0 Item Delimitation Item          |
| (FFFF,E000)                        | # 1, Undefined Item                    |
| (0040,A043) SQ                     | # 0, 0 Concept Name Code Sequence      |
| (FFFF,E000)                        | # 1, Undefined Item                    |
| (0008,0100) SH ExposureTimeSeconds | # 1, 20 Code Value                     |
| (0008,0102) SH LightPath           | # 1, 10 Coding Scheme Designator       |
| (0008,0104) LO ExposureTimeSeconds | # 1, 20 Code Meaning                   |
| (FFFF,E00D)                        | # 0, 0 Item Delimitation Item          |
| (FFFF,E0DD)                        | # 0, 0 Sequence Delimitation Item      |
| (FFFF,E00D)                        | # 0, 0 Item Delimitation Item          |
| (FFFF,E000)                        | # 1, Undefined Item                    |
| (0040,A30A) DS 10                  | # 1, 2 Numeric Value                   |
| (FFFF,E00D)                        | # 0, 0 Item Delimitation Item          |
| (FFFF,E000)                        | # 1, Undefined Item                    |
| (0040,08EA) SQ                     | # 0, 0 Measurement Units Code Sequence |
| (FFFF,E000)                        | # 1, Undefined Item                    |
| (0008,0100) SH {undefined}         | # 1, 12 Code Value                     |
| (0008,0102) SH UCUM                | # 1, 4 Coding Scheme Designator        |
| (0008,0104) LO {undefined}         | # 1, 12 Code Meaning                   |
| (FFFF,E00D)                        | # 0, 0 Item Delimitation Item          |
| (FFFF,E0DD)                        | # 0, 0 Sequence Delimitation Item      |
| (FFFF,E00D)                        | # 0, 0 Item Delimitation Item          |
| (FFFF,E000)                        | # 1, Undefined Item                    |
| (0040,A043) SQ                     | # 0, 0 Concept Name Code Sequence      |
| (FFFF,E000)                        | # 1, Undefined Item                    |
| (0008,0100) SH KineticCycleTime    | # 1, 16 Code Value                     |
| (0008,0102) SH LightPath           | # 1, 10 Coding Scheme Designator       |
| (0008,0104) LO KineticCycleTime    | # 1, 16 Code Meaning                   |

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| (FFFE,E00D)                      | # 0, 0 Item Delimitation Item          |
| (FFFE,E0DD)                      | # 0, 0 Sequence Delimitation Item      |
| (FFFE,E00D)                      | # 0, 0 Item Delimitation Item          |
| (FFFE,E000)                      | # 1, Undefined Item                    |
| (0040,A30A) DS 0                 | # 1, 2 Numeric Value                   |
| (FFFE,E00D)                      | # 0, 0 Item Delimitation Item          |
| (FFFE,E000)                      | # 1, Undefined Item                    |
| (0040,08EA) SQ                   | # 0, 0 Measurement Units Code Sequence |
| (FFFE,E000)                      | # 1, Undefined Item                    |
| (0008,0100) SH {undefined}       | # 1, 12 Code Value                     |
| (0008,0102) SH UCUM              | # 1, 4 Coding Scheme Designator        |
| (0008,0104) LO {undefined}       | # 1, 12 Code Meaning                   |
| (FFFE,E00D)                      | # 0, 0 Item Delimitation Item          |
| (FFFE,E0DD)                      | # 0, 0 Sequence Delimitation Item      |
| (FFFE,E00D)                      | # 0, 0 Item Delimitation Item          |
| (FFFE,E000)                      | # 1, Undefined Item                    |
| (0040,A043) SQ                   | # 0, 0 Concept Name Code Sequence      |
| (FFFE,E000)                      | # 1, Undefined Item                    |
| (0008,0100) SH KineticCycleCount | # 1, 18 Code Value                     |
| (0008,0102) SH LightPath         | # 1, 10 Coding Scheme Designator       |
| (0008,0104) LO KineticCycleCount | # 1, 18 Code Meaning                   |
| (FFFE,E00D)                      | # 0, 0 Item Delimitation Item          |
| (FFFE,E0DD)                      | # 0, 0 Sequence Delimitation Item      |
| (FFFE,E00D)                      | # 0, 0 Item Delimitation Item          |
| (FFFE,E000)                      | # 1, Undefined Item                    |
| (0040,A30A) DS 0                 | # 1, 2 Numeric Value                   |
| (FFFE,E00D)                      | # 0, 0 Item Delimitation Item          |
| (FFFE,E000)                      | # 1, Undefined Item                    |
| (0040,08EA) SQ                   | # 0, 0 Measurement Units Code Sequence |
| (FFFE,E000)                      | # 1, Undefined Item                    |
| (0008,0100) SH {undefined}       | # 1, 12 Code Value                     |

|                                   |  |
|-----------------------------------|--|
| (0008,0102) SH UCUM               | # 1, 4 Coding Scheme Designator        |
| (0008,0104) LO {undefined}        | # 1, 12 Code Meaning                   |
| (FFFE,E00D)                       | # 0, 0 Item Delimitation Item          |
| (FFFE,E0DD)                       | # 0, 0 Sequence Delimitation Item      |
| (FFFE,E00D)                       | # 0, 0 Item Delimitation Item          |
| (FFFE,E000)                       | # 1, Undefined Item                    |
| (0040,A043) SQ                    | # 0, 0 Concept Name Code Sequence      |
| (FFFE,E000)                       | # 1, Undefined Item                    |
| (0008,0100) SH EmccdGain          | # 1, 10 Code Value                     |
| (0008,0102) SH LightPath          | # 1, 10 Coding Scheme Designator       |
| (0008,0104) LO EmccdGain          | # 1, 10 Code Meaning                   |
| (FFFE,E00D)                       | # 0, 0 Item Delimitation Item          |
| (FFFE,E0DD)                       | # 0, 0 Sequence Delimitation Item      |
| (FFFE,E00D)                       | # 0, 0 Item Delimitation Item          |
| (FFFE,E000)                       | # 1, Undefined Item                    |
| (0040,A30A) DS 300                | # 1, 4 Numeric Value                   |
| (FFFE,E00D)                       | # 0, 0 Item Delimitation Item          |
| (FFFE,E000)                       | # 1, Undefined Item                    |
| (0040,08EA) SQ                    | # 0, 0 Measurement Units Code Sequence |
| (FFFE,E000)                       | # 1, Undefined Item                    |
| (0008,0100) SH {undefined}        | # 1, 12 Code Value                     |
| (0008,0102) SH UCUM               | # 1, 4 Coding Scheme Designator        |
| (0008,0104) LO {undefined}        | # 1, 12 Code Meaning                   |
| (FFFE,E00D)                       | # 0, 0 Item Delimitation Item          |
| (FFFE,E0DD)                       | # 0, 0 Sequence Delimitation Item      |
| (FFFE,E00D)                       | # 0, 0 Item Delimitation Item          |
| (FFFE,E000)                       | # 1, Undefined Item                    |
| (0040,A043) SQ                    | # 0, 0 Concept Name Code Sequence      |
| (FFFE,E000)                       | # 1, Undefined Item                    |
| (0008,0100) SH VerticalShiftSpeed | # 1, 18 Code Value                     |
| (0008,0102) SH LightPath          | # 1, 10 Coding Scheme Designator       |



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|--|-----------------------------------|
| (0008,0104) LO VerticalShiftSpeed        | # 1, 18 Code Meaning              |
| (FFFE,E00D)                              | # 0, 0 Item Delimitation Item     |
| (FFFE,E0DD)                              | # 0, 0 Sequence Delimitation Item |
| (FFFE,E00D)                              | # 0, 0 Item Delimitation Item     |
| (FFFE,E000)                              | # 1, Undefined Item               |
| (0040,A160) UT Speed0_5us                | # 1, 10 Text Value                |
| (FFFE,E00D)                              | # 0, 0 Item Delimitation Item     |
| (FFFE,E000)                              | # 1, Undefined Item               |
| (0040,A043) SQ                           | # 0, 0 Concept Name Code Sequence |
| (FFFE,E000)                              | # 1, Undefined Item               |
| (0008,0100) SH HorizontalShiftSpeedEmccd | # 1, 26 Code Value                |
| (0008,0102) SH LightPath                 | # 1, 10 Coding Scheme Designator  |
| (0008,0104) LO HorizontalShiftSpeedEmccd | # 1, 26 Code Meaning              |
| (FFFE,E00D)                              | # 0, 0 Item Delimitation Item     |
| (FFFE,E0DD)                              | # 0, 0 Sequence Delimitation Item |
| (FFFE,E00D)                              | # 0, 0 Item Delimitation Item     |
| (FFFE,E000)                              | # 1, Undefined Item               |
| (0040,A160) UT Speed1MHz                 | # 1, 10 Text Value                |
| (FFFE,E00D)                              | # 0, 0 Item Delimitation Item     |
| (FFFE,E000)                              | # 1, Undefined Item               |
| (0040,A043) SQ                           | # 0, 0 Concept Name Code Sequence |
| (FFFE,E000)                              | # 1, Undefined Item               |
| (0008,0100) SH HorizontalShiftSpeedCcd   | # 1, 24 Code Value                |
| (0008,0102) SH LightPath                 | # 1, 10 Coding Scheme Designator  |
| (0008,0104) LO HorizontalShiftSpeedCcd   | # 1, 24 Code Meaning              |
| (FFFE,E00D)                              | # 0, 0 Item Delimitation Item     |
| (FFFE,E0DD)                              | # 0, 0 Sequence Delimitation Item |
| (FFFE,E00D)                              | # 0, 0 Item Delimitation Item     |
| (FFFE,E000)                              | # 1, Undefined Item               |
| (0040,A160) UT Speed0_08MHz              | # 1, 12 Text Value                |
| (FFFE,E00D)                              | # 0, 0 Item Delimitation Item     |

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| (FFFE,E000)                    | # 1, Undefined Item                    |
| (0040,A043) SQ                 | # 0, 0 Concept Name Code Sequence      |
| (FFFE,E000)                    | # 1, Undefined Item                    |
| (0008,0100) SH ClockingVoltage | # 1, 16 Code Value                     |
| (0008,0102) SH LightPath       | # 1, 10 Coding Scheme Designator       |
| (0008,0104) LO ClockingVoltage | # 1, 16 Code Meaning                   |
| (FFFE,E00D)                    | # 0, 0 Item Delimitation Item          |
| (FFFE,E0DD)                    | # 0, 0 Sequence Delimitation Item      |
| (FFFE,E00D)                    | # 0, 0 Item Delimitation Item          |
| (FFFE,E000)                    | # 1, Undefined Item                    |
| (0040,A160) UT Plus1           | # 1, 6 Text Value                      |
| (FFFE,E00D)                    | # 0, 0 Item Delimitation Item          |
| (FFFE,E000)                    | # 1, Undefined Item                    |
| (0040,A043) SQ                 | # 0, 0 Concept Name Code Sequence      |
| (FFFE,E000)                    | # 1, Undefined Item                    |
| (0008,0100) SH WantKineticMode | # 1, 16 Code Value                     |
| (0008,0102) SH LightPath       | # 1, 10 Coding Scheme Designator       |
| (0008,0104) LO WantKineticMode | # 1, 16 Code Meaning                   |
| (FFFE,E00D)                    | # 0, 0 Item Delimitation Item          |
| (FFFE,E0DD)                    | # 0, 0 Sequence Delimitation Item      |
| (FFFE,E00D)                    | # 0, 0 Item Delimitation Item          |
| (FFFE,E000)                    | # 1, Undefined Item                    |
| (0040,A30A) DS 0               | # 1, 2 Numeric Value                   |
| (FFFE,E00D)                    | # 0, 0 Item Delimitation Item          |
| (FFFE,E000)                    | # 1, Undefined Item                    |
| (0040,08EA) SQ                 | # 0, 0 Measurement Units Code Sequence |
| (FFFE,E000)                    | # 1, Undefined Item                    |
| (0008,0100) SH {boolean}       | # 1, 10 Code Value                     |
| (0008,0102) SH UCUM            | # 1, 4 Coding Scheme Designator        |
| (0008,0104) LO {boolean}       | # 1, 10 Code Meaning                   |
| (FFFE,E00D)                    | # 0, 0 Item Delimitation Item          |

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|----------------------------|--|
| (FFFE,E0DD)                | # 0, 0 Sequence Delimitation Item      |
| (FFFE,E00D)                | # 0, 0 Item Delimitation Item          |
| (FFFE,E000)                | # 1, Undefined Item                    |
| (0040,A043) SQ             | # 0, 0 Concept Name Code Sequence      |
| (FFFE,E000)                | # 1, Undefined Item                    |
| (0008,0100) SH Temperature | # 1, 12 Code Value                     |
| (0008,0102) SH LightPath   | # 1, 10 Coding Scheme Designator       |
| (0008,0104) LO Temperature | # 1, 12 Code Meaning                   |
| (FFFE,E00D)                | # 0, 0 Item Delimitation Item          |
| (FFFE,E0DD)                | # 0, 0 Sequence Delimitation Item      |
| (FFFE,E00D)                | # 0, 0 Item Delimitation Item          |
| (FFFE,E000)                | # 1, Undefined Item                    |
| (0040,A30A) DS -80         | # 1, 4 Numeric Value                   |
| (FFFE,E00D)                | # 0, 0 Item Delimitation Item          |
| (FFFE,E000)                | # 1, Undefined Item                    |
| (0040,08EA) SQ             | # 0, 0 Measurement Units Code Sequence |
| (FFFE,E000)                | # 1, Undefined Item                    |
| (0008,0100) SH {undefined} | # 1, 12 Code Value                     |
| (0008,0102) SH UCUM        | # 1, 4 Coding Scheme Designator        |
| (0008,0104) LO {undefined} | # 1, 12 Code Meaning                   |
| (FFFE,E00D)                | # 0, 0 Item Delimitation Item          |
| (FFFE,E0DD)                | # 0, 0 Sequence Delimitation Item      |
| (FFFE,E00D)                | # 0, 0 Item Delimitation Item          |
| (FFFE,E000)                | # 1, Undefined Item                    |
| (0040,A043) SQ             | # 0, 0 Concept Name Code Sequence      |
| (FFFE,E000)                | # 1, Undefined Item                    |
| (0008,0100) SH LightsToUse | # 1, 12 Code Value                     |
| (0008,0102) SH LightPath   | # 1, 10 Coding Scheme Designator       |
| (0008,0104) LO LightsToUse | # 1, 12 Code Meaning                   |
| (FFFE,E00D)                | # 0, 0 Item Delimitation Item          |
| (FFFE,E0DD)                | # 0, 0 Sequence Delimitation Item      |

|                          |  |
|--------------------------|--|
| (FFFF,E00D)              | # 0, 0 Item Delimitation Item          |
| (FFFF,E000)              | # 1, Undefined Item                    |
| (0040,A160) UT Upper     | # 1, 6 Text Value                      |
| (FFFF,E00D)              | # 0, 0 Item Delimitation Item          |
| (FFFF,E000)              | # 1, Undefined Item                    |
| (0040,A043) SQ           | # 0, 0 Concept Name Code Sequence      |
| (FFFF,E000)              | # 1, Undefined Item                    |
| (0008,0100) SH AutoGain  | # 1, 8 Code Value                      |
| (0008,0102) SH LightPath | # 1, 10 Coding Scheme Designator       |
| (0008,0104) LO AutoGain  | # 1, 8 Code Meaning                    |
| (FFFF,E00D)              | # 0, 0 Item Delimitation Item          |
| (FFFF,E0DD)              | # 0, 0 Sequence Delimitation Item      |
| (FFFF,E00D)              | # 0, 0 Item Delimitation Item          |
| (FFFF,E000)              | # 1, Undefined Item                    |
| (0040,A30A) DS 0         | # 1, 2 Numeric Value                   |
| (FFFF,E00D)              | # 0, 0 Item Delimitation Item          |
| (FFFF,E000)              | # 1, Undefined Item                    |
| (0040,08EA) SQ           | # 0, 0 Measurement Units Code Sequence |
| (FFFF,E000)              | # 1, Undefined Item                    |
| (0008,0100) SH {boolean} | # 1, 10 Code Value                     |
| (0008,0102) SH UCUM      | # 1, 4 Coding Scheme Designator        |
| (0008,0104) LO {boolean} | # 1, 10 Code Meaning                   |
| (FFFF,E00D)              | # 0, 0 Item Delimitation Item          |
| (FFFF,E0DD)              | # 0, 0 Sequence Delimitation Item      |
| (FFFF,E00D)              | # 0, 0 Item Delimitation Item          |
| (FFFF,E000)              | # 1, Undefined Item                    |
| (0040,A043) SQ           | # 0, 0 Concept Name Code Sequence      |
| (FFFF,E000)              | # 1, Undefined Item                    |
| (0008,0100) SH Exposure  | # 1, 8 Code Value                      |
| (0008,0102) SH LightPath | # 1, 10 Coding Scheme Designator       |
| (0008,0104) LO Exposure  | # 1, 8 Code Meaning                    |

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| (FFFE,E00D)                | # 0, 0 Item Delimitation Item          |
| (FFFE,E0DD)                | # 0, 0 Sequence Delimitation Item      |
| (FFFE,E00D)                | # 0, 0 Item Delimitation Item          |
| (FFFE,E000)                | # 1, Undefined Item                    |
| (0040,A30A) DS 100         | # 1, 4 Numeric Value                   |
| (FFFE,E00D)                | # 0, 0 Item Delimitation Item          |
| (FFFE,E000)                | # 1, Undefined Item                    |
| (0040,08EA) SQ             | # 0, 0 Measurement Units Code Sequence |
| (FFFE,E000)                | # 1, Undefined Item                    |
| (0008,0100) SH {undefined} | # 1, 12 Code Value                     |
| (0008,0102) SH UCUM        | # 1, 4 Coding Scheme Designator        |
| (0008,0104) LO {undefined} | # 1, 12 Code Meaning                   |
| (FFFE,E00D)                | # 0, 0 Item Delimitation Item          |
| (FFFE,E0DD)                | # 0, 0 Sequence Delimitation Item      |
| (FFFE,E00D)                | # 0, 0 Item Delimitation Item          |
| (FFFE,E000)                | # 1, Undefined Item                    |
| (0040,A043) SQ             | # 0, 0 Concept Name Code Sequence      |
| (FFFE,E000)                | # 1, Undefined Item                    |
| (0008,0100) SH MasterGain  | # 1, 10 Code Value                     |
| (0008,0102) SH LightPath   | # 1, 10 Coding Scheme Designator       |
| (0008,0104) LO MasterGain  | # 1, 10 Code Meaning                   |
| (FFFE,E00D)                | # 0, 0 Item Delimitation Item          |
| (FFFE,E0DD)                | # 0, 0 Sequence Delimitation Item      |
| (FFFE,E00D)                | # 0, 0 Item Delimitation Item          |
| (FFFE,E000)                | # 1, Undefined Item                    |
| (0040,A30A) DS 100         | # 1, 4 Numeric Value                   |
| (FFFE,E00D)                | # 0, 0 Item Delimitation Item          |
| (FFFE,E000)                | # 1, Undefined Item                    |
| (0040,08EA) SQ             | # 0, 0 Measurement Units Code Sequence |
| (FFFE,E000)                | # 1, Undefined Item                    |
| (0008,0100) SH {undefined} | # 1, 12 Code Value                     |

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| (0008,0102) SH UCUM             | # 1, 4 Coding Scheme Designator        |
| (0008,0104) LO {undefined}      | # 1, 12 Code Meaning                   |
| (FFFE,E00D)                     | # 0, 0 Item Delimitation Item          |
| (FFFE,E0DD)                     | # 0, 0 Sequence Delimitation Item      |
| (FFFE,E00D)                     | # 0, 0 Item Delimitation Item          |
| (FFFE,E000)                     | # 1, Undefined Item                    |
| (0040,A043) SQ                  | # 0, 0 Concept Name Code Sequence      |
| (FFFE,E000)                     | # 1, Undefined Item                    |
| (0008,0100) SH WhiteBalanceMode | # 1, 16 Code Value                     |
| (0008,0102) SH LightPath        | # 1, 10 Coding Scheme Designator       |
| (0008,0104) LO WhiteBalanceMode | # 1, 16 Code Meaning                   |
| (FFFE,E00D)                     | # 0, 0 Item Delimitation Item          |
| (FFFE,E0DD)                     | # 0, 0 Sequence Delimitation Item      |
| (FFFE,E00D)                     | # 0, 0 Item Delimitation Item          |
| (FFFE,E000)                     | # 1, Undefined Item                    |
| (0040,A160) UT Manual           | # 1, 6 Text Value                      |
| (FFFE,E00D)                     | # 0, 0 Item Delimitation Item          |
| (FFFE,E000)                     | # 1, Undefined Item                    |
| (0040,A043) SQ                  | # 0, 0 Concept Name Code Sequence      |
| (FFFE,E000)                     | # 1, Undefined Item                    |
| (0008,0100) SH RedGain          | # 1, 8 Code Value                      |
| (0008,0102) SH LightPath        | # 1, 10 Coding Scheme Designator       |
| (0008,0104) LO RedGain          | # 1, 8 Code Meaning                    |
| (FFFE,E00D)                     | # 0, 0 Item Delimitation Item          |
| (FFFE,E0DD)                     | # 0, 0 Sequence Delimitation Item      |
| (FFFE,E00D)                     | # 0, 0 Item Delimitation Item          |
| (FFFE,E000)                     | # 1, Undefined Item                    |
| (0040,A30A) DS 40               | # 1, 2 Numeric Value                   |
| (FFFE,E00D)                     | # 0, 0 Item Delimitation Item          |
| (FFFE,E000)                     | # 1, Undefined Item                    |
| (0040,08EA) SQ                  | # 0, 0 Measurement Units Code Sequence |

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| (FFFE,E000)                | # 1, Undefined Item                    |
| (0008,0100) SH {undefined} | # 1, 12 Code Value                     |
| (0008,0102) SH UCUM        | # 1, 4 Coding Scheme Designator        |
| (0008,0104) LO {undefined} | # 1, 12 Code Meaning                   |
| (FFFE,E00D)                | # 0, 0 Item Delimitation Item          |
| (FFFE,E0DD)                | # 0, 0 Sequence Delimitation Item      |
| (FFFE,E00D)                | # 0, 0 Item Delimitation Item          |
| (FFFE,E000)                | # 1, Undefined Item                    |
| (0040,A043) SQ             | # 0, 0 Concept Name Code Sequence      |
| (FFFE,E000)                | # 1, Undefined Item                    |
| (0008,0100) SH GreenGain   | # 1, 10 Code Value                     |
| (0008,0102) SH LightPath   | # 1, 10 Coding Scheme Designator       |
| (0008,0104) LO GreenGain   | # 1, 10 Code Meaning                   |
| (FFFE,E00D)                | # 0, 0 Item Delimitation Item          |
| (FFFE,E0DD)                | # 0, 0 Sequence Delimitation Item      |
| (FFFE,E00D)                | # 0, 0 Item Delimitation Item          |
| (FFFE,E000)                | # 1, Undefined Item                    |
| (0040,A30A) DS 49          | # 1, 2 Numeric Value                   |
| (FFFE,E00D)                | # 0, 0 Item Delimitation Item          |
| (FFFE,E000)                | # 1, Undefined Item                    |
| (0040,08EA) SQ             | # 0, 0 Measurement Units Code Sequence |
| (FFFE,E000)                | # 1, Undefined Item                    |
| (0008,0100) SH {undefined} | # 1, 12 Code Value                     |
| (0008,0102) SH UCUM        | # 1, 4 Coding Scheme Designator        |
| (0008,0104) LO {undefined} | # 1, 12 Code Meaning                   |
| (FFFE,E00D)                | # 0, 0 Item Delimitation Item          |
| (FFFE,E0DD)                | # 0, 0 Sequence Delimitation Item      |
| (FFFE,E00D)                | # 0, 0 Item Delimitation Item          |
| (FFFE,E000)                | # 1, Undefined Item                    |
| (0040,A043) SQ             | # 0, 0 Concept Name Code Sequence      |
| (FFFE,E000)                | # 1, Undefined Item                    |

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| (0008,0100) SH BlueGain    | # 1, 8 Code Value                      |
| (0008,0102) SH LightPath   | # 1, 10 Coding Scheme Designator       |
| (0008,0104) LO BlueGain    | # 1, 8 Code Meaning                    |
| (FFFE,E0DD)                | # 0, 0 Item Delimitation Item          |
| (FFFE,E0DD)                | # 0, 0 Sequence Delimitation Item      |
| (FFFE,E0DD)                | # 0, 0 Item Delimitation Item          |
| (FFFE,E000)                | # 1, Undefined Item                    |
| (0040,A30A) DS 100         | # 1, 4 Numeric Value                   |
| (FFFE,E0DD)                | # 0, 0 Item Delimitation Item          |
| (FFFE,E000)                | # 1, Undefined Item                    |
| (0040,08EA) SQ             | # 0, 0 Measurement Units Code Sequence |
| (FFFE,E000)                | # 1, Undefined Item                    |
| (0008,0100) SH {undefined} | # 1, 12 Code Value                     |
| (0008,0102) SH UCUM        | # 1, 4 Coding Scheme Designator        |
| (0008,0104) LO {undefined} | # 1, 12 Code Meaning                   |
| (FFFE,E0DD)                | # 0, 0 Item Delimitation Item          |
| (FFFE,E0DD)                | # 0, 0 Sequence Delimitation Item      |
| (FFFE,E0DD)                | # 0, 0 Item Delimitation Item          |
| (FFFE,E0DD)                | # 0, 0 Sequence Delimitation Item      |