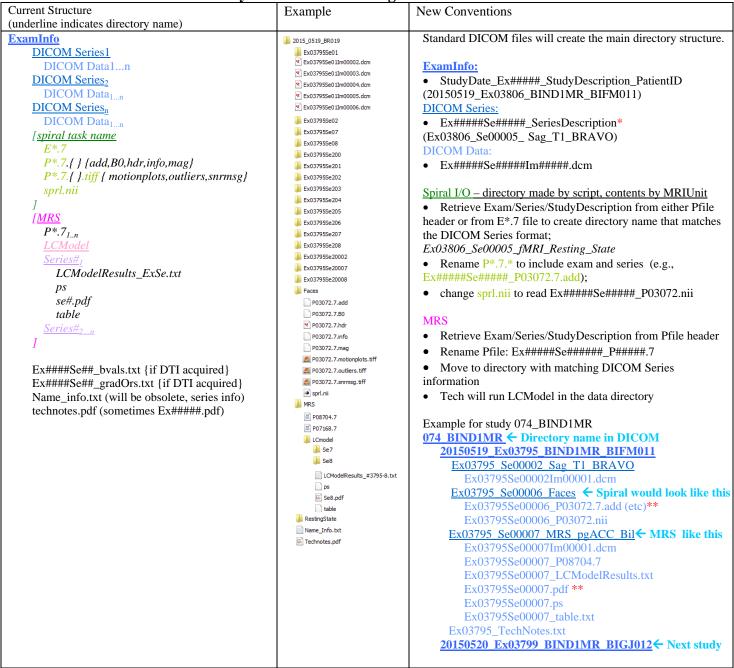
Directory structure/file naming conventions. 2015-0528



- * "*fMRI Resting State" should be converted to "fMRI_Resting_State" (drop asterisk so only one underscore, replace spaces with underscores). Most of the SeriesDescriptions we use already have underscores and not spaces or special characters.
- ** The spiral fMRI and LCModel output filenames will be changed by us in our scripts to match what is shown above.

Possibility: If we include the booking code in the main directory name (e.g., 20150519_Ex03806_BIND1MR_BIFM011), we do not have to have all of the booking codes listed in DICOM_InProcess or DICOM_Processed. The rsync script could point to DICOM_Processed, and move the studies into the proper directory in DICOM based on the booking code in the directory name. This would substantially declutter the workspace for the techs, and there would be no ambiguity about what still needs to be done/has been done.

I think we still need a script to move the contents from DICOM_InProcess to DICOM_Processed when the tech is ready to let it go, and then the rsync will work only from DICOM_Processed.

DICOM tags:

StudyDate = (0008,0020), numeric, 8 digits (20150519)

StudyDescription = (0008,1030), variable length, text, will generally be the booking code (text, 6 characters)

StudyID (Exam#)=(0020,0010), numeric, we are currently at 3800's, so we are good with zero-padding to 5 digits.

SeriesNumber = (0020,0011), numeric, variable, up to 5 digits (so far as we've seen), not zero-padded

InstanceNumber (ImageNumber) = (0020,0013), numeric

PatientID = (0010,0020), variable length, text

SeriesDescription = (0008,103E), variable length, text, may include spaces, special characters (e.g., '3PlaneLoc_SSFSE')

ProtocolName = (0018,1030) – variable length, text.

This field may be useful if we need the protocol number: 058.GLSZ1MR_2014_0224 (this format is used for all patient studies). TECH1U studies do not have a protocol number or saved protocol. The name here will reflect which protocol the first scan was pulled from.

MRS tags (in the DICOM spectrum that comes from the scanner as a "typical" DICOM file. A single DICOM file will be in the directory)

InternalPulseSequenceName = (0019,109E) – variable length, text. For most MRS studies, should be pressesi PfileName = (0019,10A2) – 5 digits, will only be relevant for MRS dicom files, tag is used for other things.

Non-standard "DICOM" files – We may need to play around with series in the 200,400,700 range, the 1000 range and in the 20000 range – these are "saved" files, and may not always have the Exam/Series/ImageNumber.

Physio data - see github