

## **Neuroinformatics**

### **Proposed scanner console changes/requirements**

#### **Purpose of these standards:**

- How to enter data into the scanner console
- To provide accurate archiving
- To provide near real-time scan annotation

#### **Data Acquired: PI**

##### **Console field: Region**

Will be populated with PI only.

##### Format:

1. first initial followed by the first 9 characters of the last name
2. no spaces
3. no control characters
4. all caps
5. e.g. 'JBUSTILLO'

##### Function:

1. Determines location of study images on transfer to dicom server. If the PI data does not match PI setup by IT the study images will be dumped into an orphanage. This orphanage will be cleaned up by MR operations not IT or NI staff.

#### **Data Acquired: Study**

##### **Console field: Exam:**

Will be populated with the IT determined "study key" only.

##### Format:

1. PI selected study key pre-approved by IT.
2. underscore
3. HRRC number with hyphen removed
4. e.g. 'FIRSTBRK\_06123'

##### Function:

1. Determines location of study images on transfer to dicom server. If the study key data does not match study key setup by IT the study images will be dumped into an orphanage. This orphanage will be cleaned up by MR operations not IT or NI staff.
2. Determines Study\_Id for adding scan session record to db for radiology read and other uses. If the study key data does not match study key setup by NI the study will not be read by radiology.

#### **Console field: Program**

No requirements. However, we recommend that the user enter the version of study program/protocol in this field.

#### **Data Acquired: URSI**

##### **Console field: PatientLastName**

Will be populated by URSI for non-clinical studies.

Will be populated by clinical ID for clinical studies.

##### Function:

1. Determines URSI for adding scan session record to db for radiology read and other uses.

**Console field: PatientID**

Will be populated by URSI for non-clinical studies.

Will be populated by clinical ID for clinical studies.

Function:

1. Currently not used.

**Data Acquired: Visit****Console field: AccessionNumber**

Will be populated by the protocol visit information provided by the PI when relevant.

Format:

1. 16 characters max.
2. e.g. "month000", "visit1".

Function:

1. Uniquely identifies scan session in NI database.

Will default to "visit1" if null in header.

Will increment digit on transfer to dicom server if null and visit occupied.

**Data Acquired: URSI****Console field: StudyComments**

For clinical work where URSI is not provided in patient name operator shall include URSI in StudyComments field of patient registration field. Dicom server expects URSI in PatientsName field. If PatientsName does not begin with M and have 9 characters, dicom server will look to StudyComments. If StudyComments begins with M and have 9 characters that will be used as URSI. Otherwise, the study images will be dumped into an orphanage. This orphanage will be cleaned up by MR operations not IT or NI staff.