Discussion regarding requirements and recommendations for Open Image Archives

- Discussion centered around the practical implementation of creating an image archive infrastructure
  - How would this be accomplished? What will the long-term costs be?
  - How will security be handled? What about maintenance? Storage?
  - What about standardization of DICOM format for raw image data?
  - What type of form/protocol/ftp site/software tool, etc. would be used?
  - Some of these specifications and uses may be difficult to articulate in advance
  - Reconcile technical aspects of “how to” create the archive with the practical aspects of how easy it will be for people to use; ease-of-use is critical to be a benefit to the radiology community
- Dr. Voyvodic mentioned that he is currently working with 3 datasets that would be candidates for inclusion in a QIBA open image archive:
  - Approximately 450 existing clinical fMRI cases at Duke
  - fBIRN project – public domain datasets
  - Dr. DeYoe’s data on fMRI mapping/reproducibility
- Consider what the incentive is for individuals to participate
  - Would be useful for fMRI TC members to be able to share groundwork data more easily to facilitate broader collaboration
  - Inclusion of metadata would be useful
- Some suggestions:
  - Development of a software “tool” to anonymize and standardize raw data
  - A standard submission/upload form for data background information
  - Access-controlled collaborative resources, similar to a Dropbox system with enhanced security
    - www.dropbox.com = Shared folders allow people to work together on the same projects and documents.

Next Steps
- Group to consider what they are willing to do to forward this initiative – what is practical for the group, including long-term costs, security, maintenance, etc.

Next Call
- QIBA fMRI Technical Committee, Wednesday, September 21, 2011 at 11 am CDT