# **NBIA 6.0 release announcement**

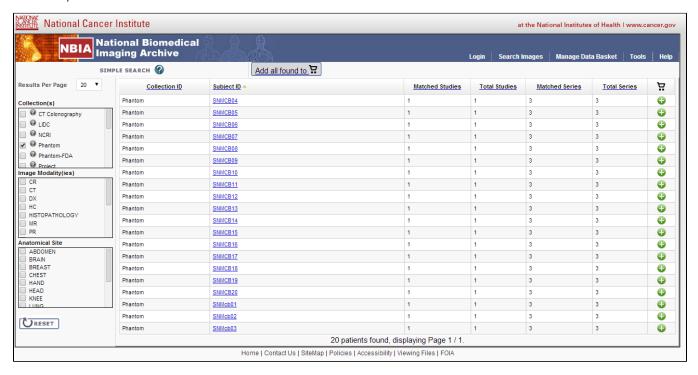
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The NBIA team is pleased to announce the release of version 6.0 of the National Biomedical Imaging Archive (NBIA). This release significantly improves the user interface and simple and advanced search, and adds text search capability, shared list improvements, annotation exports, a new REST API, as well as bug fixes to the QC Tool.

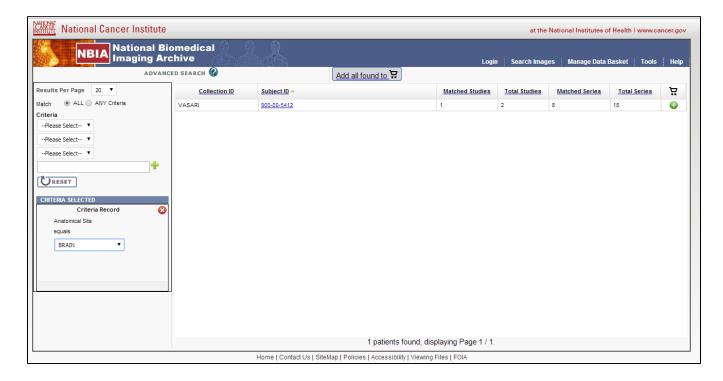
### Simple Search

The NBIA Simple Search interface has been redesigned to provide rapid access to the most used criteria and functionality such as "add to basket." The search now provides instant access to search results.



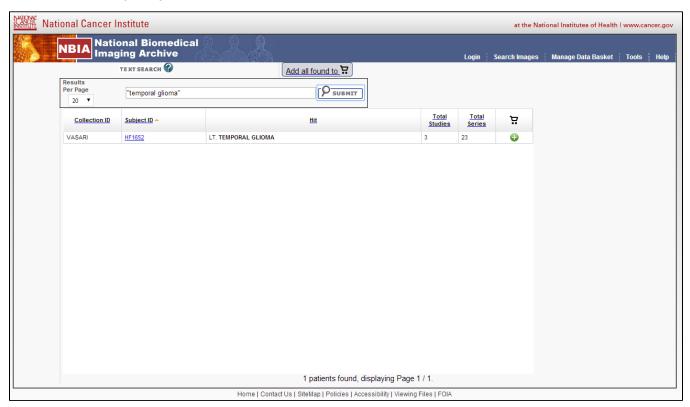
#### Advanced Search

The Advanced Search now makes it easier to quickly add, modify, and delete criteria. It provides instant results.



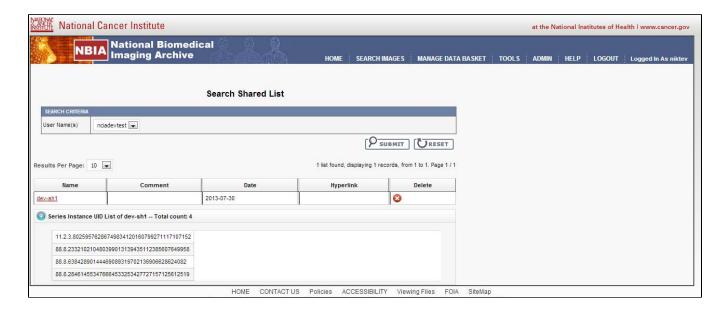
#### **Text Search**

Powered by the addition of Apache Solr to NBIA, the user interface now allows complete searching across the database fields, DICOM files, and annotation files from a single Google-like interface.



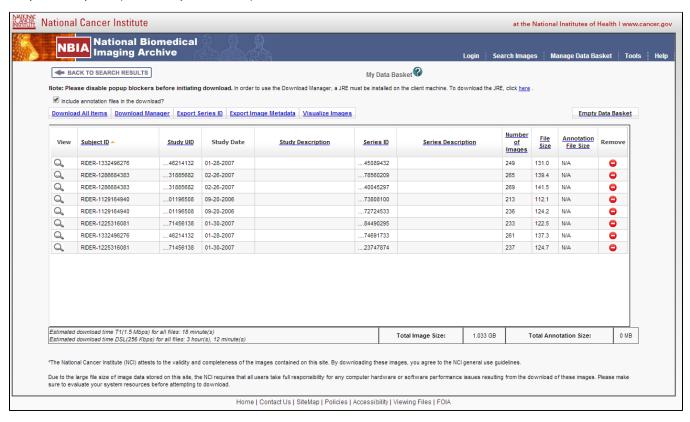
### **Shared List**

The Administrator can delete the shared list that any users creates and send a notification email to the list creator. Non-administrator users can now delete shared lists that they create.



### **Annotation Export**

Added new **Export Image Metadata** button to the **My Data Basket** page. Clicking this button exports the descriptions into a CSV file that is ordered by Collection, patient ID, Study Date, Series Description, and Series UID. The CSV file includes all of the following fields in the output: Collection, Patient ID Study Date, Study Description, Modality, Series Description, Manufacturer, Manufacturer Model, Software Version, and Series UID.



#### **REST API**

NBIA now has a REST API that is based on the one that TCIA uses.

Query Name	Return Values	Output Format	Query Key 1	Query Key 2	Query Key 3	Query Key 4	Query Key 5	Query Key 6
getSeries	Set of series objects filtered by query keys	CSV	collection (O)	modality (O)	body_part (O)	manufacturer (O)	patient_id (O)	study_instance_ui d (O)

getPatientStudy	Set of patient/study objects filtered by query keys	CSV	collection (O)	modality (O)	body_part (O)	manufacturer (O)	patient_id (O)	study_instance_ui d (O)
getModalityValues	Set of all modality values (CT, MR, etc.) filtered by query keys	CSV	collection (O)	modality (O)	body_part (O)	manufacturer (O)		
getManufacturerV alues	Set of all manufacturer names filtered by query keys	CSV	collection (O)	modality (O)	body_party (O)	manufacturer (O)		
getImages	Set of images in a zip file	ZIP	series_instance_ui d (R)					
getCollectionValu es	Set of all collection names	CSV	collection (O)	modality (O)	body_part (O)	manufacturer (O)		
getBodyPartValues	Set of all body party names filtered by query keys	CSV	collection (O)	modality (O)	body_part (O)	manufacturer (O)		

## Section 508 Compliance

NBIA has improved its compliance with Section 508, increasing accessibility to the application for people with disabilities.

## **Documentation and Support**

Detailed release notes and a user's guide are available.

For groups interested in installing NBIA 6.0 locally, consult the NBIA 6.0 Installation Guide.

### **Getting Support**

Email: NCIAppSupport@nih.govCall: 240-276-5541