

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.


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National Biomedical Imaging Archive

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SIMPLE SEARCH 

Add all found to 

Results Per Page 20 ▼

Collection(s)

- ☐ CT Colonography
- ☐ LIDC
- ☐ NCRI
- ☒ Phantom
- ☐ Phantom-FDA
- ☐ Project

Image Modality(ies)

- ☐ CR
- ☐ CT
- ☐ DX
- ☐ HC
- ☐ HISTOPATHOLOGY
- ☐ MR
- ☐ PR

Anatomical Site

- ☐ ABDOMEN
- ☐ BRAIN
- ☐ BREAST
- ☐ CHEST
- ☐ HAND
- ☐ HEAD
- ☐ KNEE
- ☐ LUNG

Collection ID	Subject ID 	Matched Studies	Total Studies	Matched Series	Total Series	
Phantom	SNMcb04	1	1	3	3	
Phantom	SNMcb05	1	1	3	3	
Phantom	SNMcb06	1	1	3	3	
Phantom	SNMcb07	1	1	3	3	
Phantom	SNMcb08	1	1	3	3	
Phantom	SNMcb09	1	1	3	3	
Phantom	SNMcb10	1	1	3	3	
Phantom	SNMcb11	1	1	3	3	
Phantom	SNMcb12	1	1	3	3	
Phantom	SNMcb13	1	1	3	3	
Phantom	SNMcb14	1	1	3	3	
Phantom	SNMcb15	1	1	3	3	
Phantom	SNMcb16	1	1	3	3	
Phantom	SNMcb17	1	1	3	3	
Phantom	SNMcb18	1	1	3	3	
Phantom	SNMcb19	1	1	3	3	
Phantom	SNMcb20	1	1	3	3	
Phantom	SNMcb01	1	1	3	3	
Phantom	SNMcb02	1	1	3	3	
Phantom	SNMcb03	1	1	3	3	

20 patients found, displaying Page 1 / 1.

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Advanced Search

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

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ADVANCED SEARCH ?

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Match ☒ ALL ☐ ANY Criteria

Criteria
--Please Select--
--Please Select--
--Please Select--

RESET

CRITERIA SELECTED
Criteria Record
Anatomical Site equals BRAIN

Collection ID	Subject ID ^	Matched Studies	Total Studies	Matched Series	Total Series	
VASARI	900-00-5412	1	2	8	18	

1 patients found, displaying Page 1 / 1.

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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.

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TEXT SEARCH ?

Add all found to

Results Per Page 20

SUBMIT

Collection ID	Subject ID ^	Hit	Total Studies	Total Series	
VASARI	HF1652	LT. TEMPORAL GLIOMA	3	23	

1 patients found, displaying Page 1 / 1.

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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.

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Search Shared List

SEARCH CRITERIA

User Name(s) nciaddevtest

SUBMIT RESET

Results Per Page: 10
1 list found, displaying 1 records, from 1 to 1. Page 1 / 1

Name	Comment	Date	Hyperlink	Delete
dev-sh1		2013-07-30		

Series Instance UID List of dev-sh1 -- Total count: 4

11.2.3.80259576286749634120160799271117107152
88.8.233210210480399013139435112385607649958
88.8.63842890144489089319702136906628624082
88.8.28461455347866453253427727157125612519

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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.

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[BACK TO SEARCH RESULTS](#)
My Data Basket

Note: Please disable popup blockers before initiating download. In order to use the Download Manager, a JRE must be installed on the client machine. To download the JRE, [click here](#).

☒ Include annotation files in the download?

[Download All Items](#)
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View	Subject ID	Study UID	Study Date	Study Description	Series ID	Series Description	Number of Images	File Size	Annotation File Size	Remove
	RIDER-1332496276	46214132	01-28-2007		45089432		249	131.0	N/A	
	RIDER-1286684383	31885682	02-26-2007		78560209		265	139.4	N/A	
	RIDER-1286684383	31885682	02-26-2007		40045297		269	141.5	N/A	
	RIDER-1129164940	01196508	09-20-2006		73808100		213	112.1	N/A	
	RIDER-1129164940	01196508	09-20-2006		72724533		236	124.2	N/A	
	RIDER-1225316081	71456138	01-30-2007		84490295		233	122.5	N/A	
	RIDER-1332496276	46214132	01-28-2007		74691733		261	137.3	N/A	
	RIDER-1225316081	71456138	01-30-2007		23747874		237	124.7	N/A	

Estimated download time T1(1.5 Mbps) for all files: 18 minute(s)
Estimated download time DSL(256 Kbps) for all files: 3 hour(s), 12 minute(s)

Total Image Size: 1.033 GB
Total Annotation Size: 0 MB

*The National Cancer Institute (NCI) attests to the validity and completeness of the images contained on this site. By downloading these images, you agree to the NCI general use guidelines.

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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_uid (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_uid (O)
getModalityValues	Set of all modality values (CT, MR, etc.) filtered by query keys	CSV	collection (O)	modality (O)	body_part (O)	manufacturer (O)		
getManufacturerValues	Set of all manufacturer names filtered by query keys	CSV	collection (O)	modality (O)	body_part (O)	manufacturer (O)		
getImages	Set of images in a zip file	ZIP	series_instance_uid (R)					
getCollectionValues	Set of all collection names	CSV	collection (O)	modality (O)	body_part (O)	manufacturer (O)		
getBodyPartValues	Set of all body part 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.gov
- Call: 240-276-5541