

NBIA 6.3 Release Announcement

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The NBIA team is pleased to announce the release of version 6.3 of the [National Biomedical Imaging Archive \(NBIA\)](#). This release provides the following features and enhancements:

- Updates and improves multi-framed and modality DICOM support
- Provides integration with the latest version of CTP
- Improves the search function
- Adds support to submit searches via external web pages
- Allows removal of saved queries by administrators
- Implements the Oviyam Viewer at the series level in the QC tool
- Provides additional bug fixes and minor enhancements

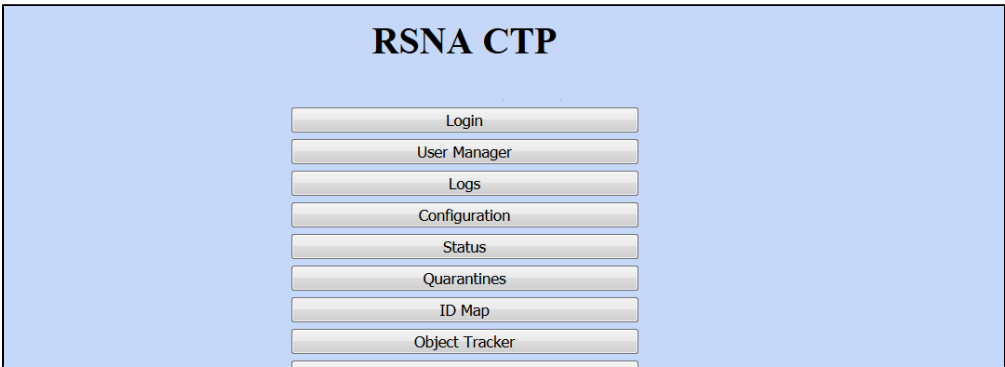
Improved DICOM Support

The database adapter has been improved to allow the submission of additional DICOM objects:

- The adapter uses `SOPClassUID` to determine requirements so that secondary capture images that are of MR modality can be submitted.
- The adapter can successfully handle enhanced multi-framed MR images.

CTP

In order to help improve DICOM submission, CTP has been upgraded to the latest version.



Search Improvements

Simple search has been updated to provide searching on manufacturer and baseline +x. The any and all selection has been created for modality and pull-down menus have been implemented to save space.

NBIA National Biomedical Imaging Archive

Home | Search Images | Manage Data Basket | Tools | Admin | User's Guide | Logout | gustafsl

Simple Search

Results Per Page: 20

Collection(s): ☐ CT Colonography, ☐ FDG-PET Lymphoma, ☐ GBM Avastin, ☐ GBM Rembrandt, ☐ Head/Neck

Image Modality(ies): Return cases that include: ☐ ALL, ☒ ANY Modality; ☐ CR, ☐ CT

Anatomical Site: ☐ ABDOMEN, ☐ BRAIN, ☐ BREAST, ☐ CHEST, ☐ HEAD

Manufacturer Model(s): ☒ All Manufacturers (25); ☐ CMS, Inc. (1), ☐ CPS (2), ☐ DeJemette Reson

Available (mm/dd/yyyy):
 Subject ID(s):
 Baseline Plus:
 Minimum Number of Additional Studies:

Collection ID	Subject ID	Matched Studies	Total Studies	Matched Series	Total Series
0 patients found, displaying Page 0 / 0.					

Submitting Searches from External Web Pages

The release allows the creation of URLs that will automatically select a given collection in the simple search page when submitted. See the [NBIA Developer Guide](#) for details.

NBIA National Biomedical Imaging Archive

Home | Search Images | Manage Data Basket

Simple Search

Results Per Page: 20

Collection(s): ☐ CT Colonography, ☐ FDG-PET Lymphoma, ☒ GBM Avastin, ☐ GBM Rembrandt, ☐ Head/Neck

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Collection ID	Subject ID	Matched Studies	Total Studies	Matched Series	Total Series
GBM Avastin	001	19	19	112	112
GBM Avastin	006	27	27	172	172
GBM Avastin	011	90	90	642	642
GBM Avastin	013	14	14	78	78
GBM Avastin	014	18	18	107	107
GBM Avastin	016	6	6	37	37
GBM Avastin	016	13	13	84	84
GBM Avastin	017	28	28	160	160
GBM Avastin	018	2	2	17	17
GBM Avastin	021	14	14	88	88
GBM Avastin	028	13	13	73	73
GBM Avastin	030	38	38	233	233
GBM Avastin	032	18	18	110	110
GBM Avastin	035	17	17	112	112
GBM Avastin	037	15	15	80	80
GBM Avastin	045	22	22	140	140
GBM Avastin	051	5	5	26	26
GBM Avastin	054	13	13	86	86
GBM Avastin	057	14	14	83	83
GBM Avastin	058	32	32	216	216

32 patients found, displaying Page 1 / 2.

Removal of Saved Queries

The release allows the removal of legacy saved queries by the administrator, preventing unnecessary overnight processing.

National Biomedical Imaging Archive				
Home Search Images Manage Data Basket Tools Admin User's				
Manage Saved Queries				
REMOVE SELECTED ITEMS				
Query Name	Last Executed	New Data Available	Query Creator	
Manufacturer Query	9/28/15 4:02 PM		JackellJ	
Sample Query	9/28/15 3:20 PM		JackellJ	
aa Sample Saved Query	9/24/15 3:41 PM		JackellJ	
test4	9/8/15 2:01 AM		gustafss	
ulli-test8 collection manu	9/4/15 2:38 PM		ulrike	
ulli-test7-chest	9/4/15 2:36 PM		ulrike	
ulli-test6	9/4/15 2:33 PM		ulrike	
ulli-test4	9/4/15 2:31 PM		ulrike	
ulli-test3	9/4/15 2:29 PM		ulrike	
ulli-test2	9/4/15 2:28 PM		ulrike	
ulli-test	9/4/15 2:18 PM		ulrike	
nanotest1	9/4/15 2:08 PM		ulrike	

Oviyam Viewer at the Series Level in QC tool

The release opens the Oviyam Viewer at the series level in the QC tool so that curators can concentrate on that series. Performance of the viewer has been greatly enhanced by caching CSM calls.

QC Images by Series										
<div><input checked="" type="checkbox"/> CHECK ALL</div> <div><input type="checkbox"/> UNCHECK ALL</div>										
Results Per Page: <div><div>1</div><div>2</div><div>3</div><div>4</div><div>5</div><div>6</div><div>7</div><div>8</div><div>9</div><div>10</div><div>11</div><div>12</div><div>13</div><div>14</div><div>15</div><div>16</div><div>17</div><div>18</div><div>19</div><div>20</div><div>21</div><div>22</div><div>23</div><div>24</div><div>25</div></div>										
3,993 series found, displaying 25 records, from 1 to 25. Page 1 / 160										
	Submission date	Collection/Site	Patient	Study	Series	Series Description	Modality	Visibility	Thumbnails	DICOM Viewer
<input type="checkbox"/>	05/21/2008 00:00:00 AM	GBM Avastin/Clinical Center	069	1.3.6.1.4.1.9328.50.55.245780555496054809131502368544065512140	1.3.6.1.4.1.9328.50.55.218960309443147891094180659197730189559	Mean Time to Enhance	MR	Visible	View	View
<input type="checkbox"/>	05/21/2008 00:00:00 AM	GBM Avastin/Clinical Center	069	1.3.6.1.4.1.9328.50.55.245780555496054809131502368544065512140	1.3.6.1.4.1.9328.50.55.251686055316296972510623012402031899127	Negative Enhancement Integral	MR	Visible	View	View
<input type="checkbox"/>	05/21/2008 00:00:00 AM	GBM Avastin/Clinical Center	069	1.3.6.1.4.1.9328.50.55.245780555496054809131502368544065512140	1.3.6.1.4.1.9328.50.55.232174500582902348477359520610853977030	Time to Minimum	MR	Visible	View	View
<input type="checkbox"/>	05/21/2008 00:00:00 AM	GBM Avastin/Clinical Center	069	1.3.6.1.4.1.9328.50.55.3388323258124899439688872539168530071	1.3.6.1.4.1.9328.50.55.278547908960835544732454808075284111494	PET_SUV_reg_2007_08_01_ax	MR	Visible	View	View
<input type="checkbox"/>	05/21/2008 00:00:00 AM	GBM Avastin/Clinical Center	069	1.3.6.1.4.1.9328.50.55.3388323258124899439688872539168530071	1.3.6.1.4.1.9328.50.55.210184488530403369045240421438930285363	PET_SUV_reg_2007_08_01_sag	MR	Visible	View	View
<input type="checkbox"/>	05/21/2008 00:00:00 AM	GBM Avastin/Clinical Center	069	1.3.6.1.4.1.9328.50.55.3388323258124899439688872539168530071	1.3.6.1.4.1.9328.50.55.180279800719500685820305068496688142	PET_SUV_reg_2007_08_01_cor	MR	Visible	View	View
<input type="checkbox"/>	05/21/2008 00:00:00 AM	GBM Avastin/Clinical Center	017	1.3.6.1.4.1.9328.50.55.29464098700961423849081679636315041075	1.3.6.1.4.1.9328.50.55.20188527444488200313633590108671479587	SCREENSAVE	MR	Visible	View	View
<input type="checkbox"/>	05/21/2008 00:00:00 AM	GBM Avastin/Clinical Center	017	1.3.6.1.4.1.9328.50.55.29464098700961423849081679636315041075	1.3.6.1.4.1.9328.50.55.61349729413700136554711570940169486477	Mean Time to Enhance	MR	Visible	View	View
<input type="checkbox"/>	05/21/2008 00:00:00 AM	GBM Avastin/Clinical Center	017	1.3.6.1.4.1.9328.50.55.29464098700961423849081679636315041075	1.3.6.1.4.1.9328.50.55.3830154115259902134891995290219734737	Negative Enhancement Integral	MR	Visible	View	View
<input type="checkbox"/>	05/21/2008 00:00:00 AM	GBM Avastin/Clinical Center	017	1.3.6.1.4.1.9328.50.55.29464098700961423849081679636315041075	1.3.6.1.4.1.9328.50.55.241887327823141678718850759337276275383	Time to Minimum	MR	Visible	View	View
<input type="checkbox"/>	05/21/2008 00:00:00 AM	GBM Avastin/Clinical Center	017	1.3.6.1.4.1.9328.50.55.280825763013715114353918722129408767499	1.3.6.1.4.1.9328.50.55.28517282151520308880215028708383838532	registered_2006_11_01_ax	MR	Visible	View	View
<input type="checkbox"/>	05/21/2008 00:00:00 AM	GBM Avastin/Clinical Center	017	1.3.6.1.4.1.9328.50.55.280825763013715114353918722129408767499	1.3.6.1.4.1.9328.50.55.46962505675209438601145456177307840056	registered_2006_11_01_sag	MR	Visible	View	View
<input type="checkbox"/>	05/21/2008 00:00:00 AM	GBM Avastin/Clinical Center	017	1.3.6.1.4.1.9328.50.55.280825763013715114353918722129408767499	1.3.6.1.4.1.9328.50.55.173908027848494747887739611819629509578	registered_2006_11_01_cor	MR	Visible	View	View
<input type="checkbox"/>	05/21/2008 00:00:00 AM	GBM Avastin/Clinical Center	017	1.3.6.1.4.1.9328.50.55.50274955877924949519213906239853989691	1.3.6.1.4.1.9328.50.55.17800807549028029500152360110735307249	THREE PLANE LOC	MR	Visible	View	View
<input type="checkbox"/>	05/21/2008 00:00:00 AM	GBM Avastin/Clinical Center	017	1.3.6.1.4.1.9328.50.55.50274955877924949519213906239853989691	1.3.6.1.4.1.9328.50.55.21139519548335864081028662130465952230	LOC AX	MR	Visible	View	View

Documentation and Support

Detailed [release notes](#) and a [user's guide](#) are available.

For groups interested in installing NBIA 6.3 locally, consult the [NBIA 6.3 Installation Guide](#).

Getting Support

- Email: NCIAppSupport@nih.gov
- Call: 240-276-5541