

# RAPTOR User Manual – Administration

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## RAPTOR Administration Functions

RAPTOR is primarily a tool for protocoling advanced imaging studies. For purposes of this document, we will use the term “ticket” to describe a study/order/procedure that is being handled by RAPTOR.

Below is a site map of the RAPTOR system showing how administration functions fit within the RAPTOR application.

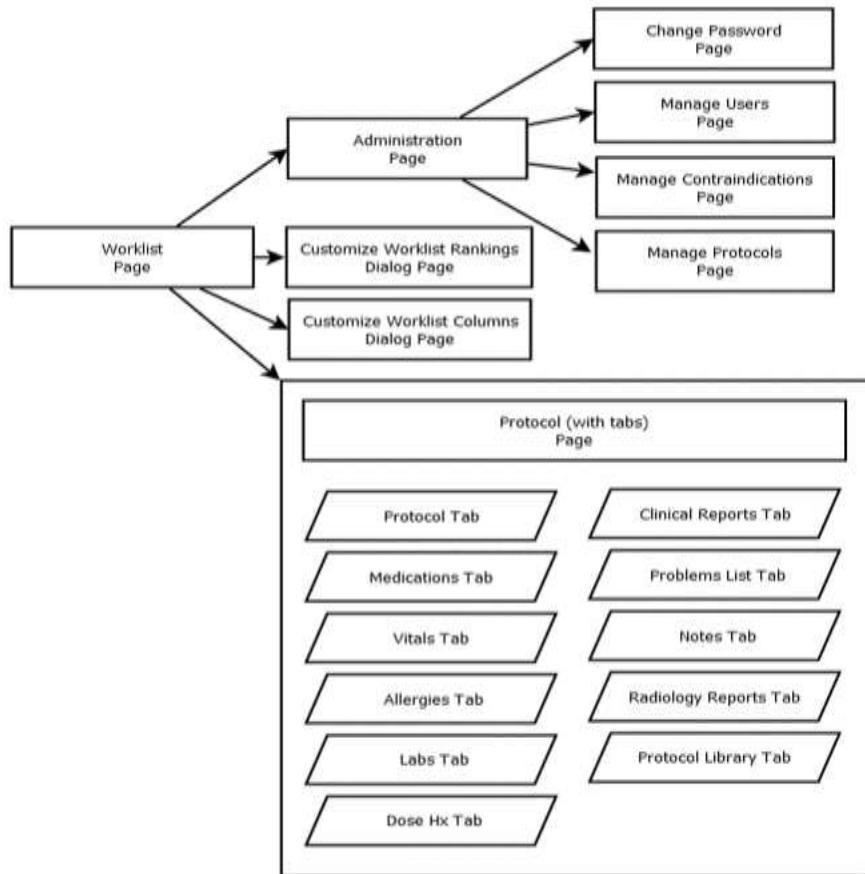


Figure 1- RAPTOR site map

Below is a figure of the location of the administrative functions. Administer is between the logged in name and logout on the dark blue bar in the upper right corner of the browser, above the header.

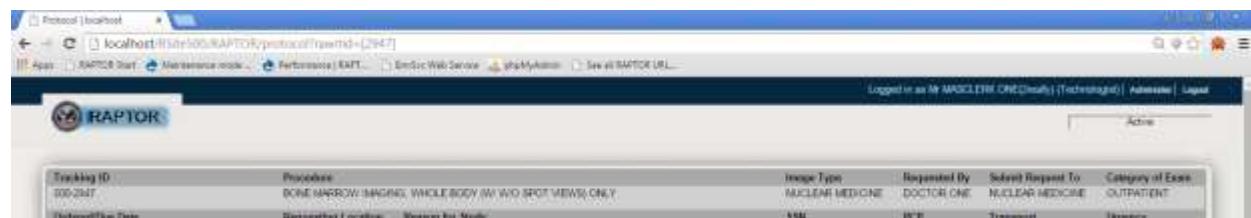


Figure 2- Location of Administer

Below is a table of administrative functions names and a brief description.

Name	Description
<b>Edit Profile</b>	Edit personal profile information such as title, name, preferred e-mail, preferred phone number, account privileges, and worklist preferences.
<b>Manage Users</b>	Lists and allows user to edit the profiles of RAPTOR users.
<b>Manage Contraindications</b>	Keep track of contraindication rules evaluated by RAPTOR.
<b>Manage Protocols</b>	Create and manage content in the protocols library.
<b>Manage Lists</b>	Create and manage content in lists used by RAPTOR.
<b>View Reports</b>	View and extract reports
<b>About</b>	Configuration and version information

Figure 3- Table of Administration Functions

## Edit Profile

To access the Edit Profile pop-up on the site. Hover over "Administer" and click on "Edit Profile" at the top of the drop down menu.

*NOTE: Required fields are shown with a red asterisk. Information must be entered in required fields.*

### Screen Sample

Below is a sample Edit Profile pop-up for the role of radiologist.

The screenshot shows the 'Edit Profile' dialog box for a user named 'Divehu'. The left panel contains personal information fields:

- Role:** Radiologist
- Login Name \***: Divehu  
The login name of the user. This must match their VISTA login name.Radiologist
- Title:** Title for this user (e.g., Mr, Ms, Dr, etc.)
- First name \***: Demo
- Last name \***: Vehu
- Suffix:** Suffix for this user (e.g., PhD)

The right panel contains contact information fields:

- Preferred email:** Preferred email for this user
- Preferred phone:** Preferred phone number for this user
- Account active (Y/N):** Account active (Y/N)  
User is blocked from RAPTOR if account is not active

Below these panels are three sections of privilege checkboxes:

- Ticket Management Privileges:**
  - Select worklist items
  - Can protocol a ticket
  - Can approve a protocol
  - Can cancel a ticket
  - Can complete an exam
  - Can QA an exam
  - Can edit pass box
- Account Management Privileges:**
  - Add/Edit Any User Accounts
  - Add/Edit Resident User Accounts
- Sitewide View Privileges:**
  - Can view department activity reports
  - Can view user activity reports
  - Can view all QA results
- Sitewide Configuration Privileges:**
  - Can edit boilerplate text
  - Can upload protocols
  - Can retire protocols
  - Can define default attributes of roles
  - Can edit contrast options
  - Can edit hydration options
  - Can edit list of sedation options
  - Can edit list of service options
  - Can edit radionuclide options
  - Can edit contraindication rules
  - Can edit excluded CPRS metadata
  - Can edit examination room list
  - Can edit the list of at risk medication keywords
  - Can edit umbrella terms
  - Can edit QA evaluation criteria

Figure 4 Edit Profile

Radiologists have the additional profile of worklist preferences and collaboration settings.

The screenshot shows the 'Worklist Preferences' section of the RAPTOR Administration User Manual. It includes a 'Modalities' section with checkboxes for Computed Tomography, Fluoroscopy, Interventional Radiology, Magnetic Resonance Imaging, Nuclear Medicine, and Ultrasound. Below this is a note: 'The modalities for this user'. Under 'Keywords', there are three sections: 'Most Significant' containing 'HEAD,NECK'; 'Moderately Significant'; and 'Least Significant'. Each section has a note: 'Comma delimited list of most significant keywords', 'Comma delimited list of moderately significant keywords', and 'Comma delimited list of least significant keywords' respectively. At the bottom are 'Save Profile Updates' and 'Exit' buttons.

Figure 5- Edit Profile's Worklist Preferences

The screenshot shows the 'Collaboration Settings' section of the RAPTOR Administration User Manual. It includes a 'Modalities' section with checkboxes for Computed Tomography, Fluoroscopy, Interventional Radiology, Magnetic Resonance Imaging, Nuclear Medicine, and Ultrasound. Below this is a note: 'The modalities for this user'. Under 'Keywords', there are three sections: 'Most Significant'; 'Moderately Significant'; and 'Least Significant'. Each section has a note: 'Comma delimited list of most significant keywords', 'Comma delimited list of moderately significant keywords', and 'Comma delimited list of least significant keywords' respectively. At the bottom are 'Save Profile Updates' and 'Exit' buttons.

Figure 6- Edit Profile's Collaboration Settings

Radiologists have the additional profile of worklist preferences and collaboration settings. The figure below shows how the modality and anatomic specialties are displayed while requesting a collaboration. For example, the user wishes to match the specialty with the protocol as this is not specialty may not be available locally.

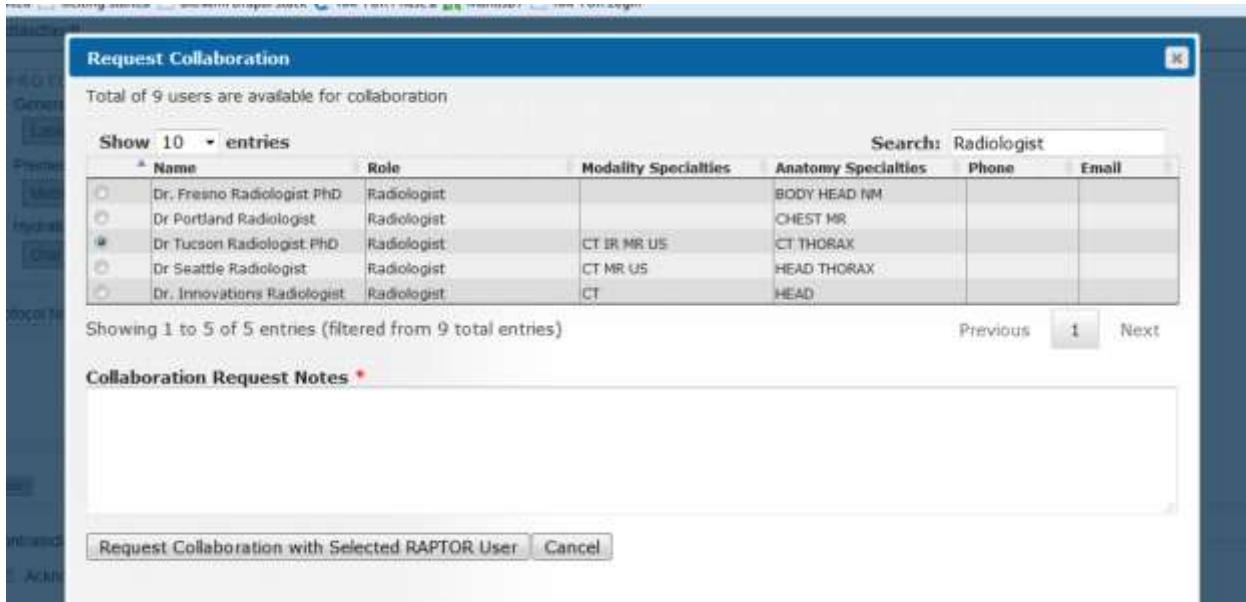


Figure 7- Request Collaboration displays the selections available in the Edit Profile's Modality and Collaboration Settings

## Manage Users

To access the Manage Users section on the site. Hover over "Administer" and click on "Manage Users" in the drop down menu. Site administrators only manage users (with the exception of residents).

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*NOTE: Each site has a unique BASE URL that is configured for the RAPTOR installation of that site. This document features the screens and test data from the Innovations sandbox. No data shown is PDI.*

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### URL

<http://<BASEURL>/RAPTOR/raptor/manageusers>

### Screen Sample

Below is a sample Manage User Accounts page. The table's columns are sortable and the entire user account table is searchable. Only site administrators have the ability to manage user accounts.

Manage User Accounts						
Show: 10 entries	Full name	Role	Active	View	Edit	Delete
1-----	Admin, Site	Site Administrator	Y	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
2-----	Mrs. Demo	Radiologist	Y	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
3-----	Mr. Scheduler, Fresno	Scheduler	Y	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
4-----	Dr. Radiologist, Fresno	Radiologist	Y	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
5-----	Ms. Technologist, Portland	Technologist	Y	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
6-----	Ms. Scheduler, Innovations	Scheduler	Y	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
7-----	Dr. Resident, Innovations	Resident	Y	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
8-----	Dr. Radiologist, Innovations	Radiologist	Y	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
9-----	Ms. Technologist, Innovations	Technologist	Y	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
10-----	President, Demo	President	Y	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
11-----	Mr. Tech, Demo	Technologist	Y	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
12-----	Scheduler, Demo	Scheduler	Y	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
13-----	President, Demo	President	Y	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
14-----	Ms. Scheduler, Demo	Scheduler	Y	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
15-----	Dr. Resident, Seattle	Resident	Y	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
16-----	Dr. Resident, Fresno	Resident	Y	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
17-----	Mr. ONE(creepy), MARCLBRK	Technologist	Y	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
18-----	Ms. Technologist, Fresno	Technologist	Y	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
19-----	Ms. Technologist, Tucson	Technologist	Y	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
20-----	Dr. Resident, Portland	Resident	Y	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
21-----	Technologist, Seattle	Technologist	Y	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
22-----	Dr. Resident, Tucson	Resident	Y	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
23-----	Ms. Scheduler, Seattle	Scheduler	Y	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
24-----	Dr. Radiologist, Portland	Radiologist	Y	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
25-----	Dr. Radiologist, Tucson	Radiologist	Y	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
26-----	Dr. Radiologist, Seattle	Radiologist	Y	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
27-----	Ms. Scheduler, Portland	Scheduler	Y	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
28-----	Ms. Scheduler, Tucson	Scheduler	Y	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
29-----	Admin, Limited	Site Administrator	Y	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>

Showing 1 to 29 of 29 entries

[Add Radiologist User](#) [Add Resident User](#) [Add Technologist User](#) [Add Scheduler User](#) [Exit](#)

Previous 1 Next

Figure 8- Manage User Accounts

## Manage Contraindications

To access the Manage Contraindications section on the site. Hover over "Administer" and click on "Manage Contraindications" in the drop down menu. RAPTOR provides users the ability to create and manage contraindications rules.

*NOTE: Each site has a unique BASE URL that is configured for the RAPTOR installation of that site.*

### URL

<http://<BASEURL>/RAPTOR/raptor/managecontraindications>

### Sample

Below is a sample Manage Contraindications page. The table's columns are sortable and the entire user Manage Contraindications table is searchable.

Manage Contraindications							Search:		
Rule Name	Category	Active	Readonly	Req Ack	Trigger Criteria	Updated	View	Edit	Delete
ATRISK_OUTPATIENT_RENAL_LABS	Scheduling	Yes	No	Yes	AnyFlagTrue(GIVE_CONTRAST_IV) and AllFlagTrue(HAS_CHRONIC_LOW_EGFR, HAS_EGFR_UNDER_30)	2014-07-28 00:40:48	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
CONSENT_ALLERGY CONTRAINDICATION	Allergy	Yes	No	Yes	AnyFlagTrue(GIVE_CONTRAST_IV, GIVE_CONTRAINDICATION)	2015-06-15 15:45:00	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
CONTRAST_ALLERGY CONTRAINDICATION	Allergy	Yes	No	Yes	AnyFlagTrue(GIVE_CONTRAST_IV, GIVE_CONTRAINDICATION)	2014-05-24 12:29:00	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
CONTRAST_RENAL_IMPAIRMENT_ACUTE_II	Renal	Yes	No	Yes	AllFlagsTrue(HAS_ACUTE_LOW_EGFR, HAS_EGFR_UNDER_30)	2015-06-15 20:08:00	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
CONTRAST_RENAL_IMPAIRMENT_CHRONIC_III	Renal	Yes	No	Yes	AllFlagsTrue(HAS_CHRONIC_LOW_EGFR, HAS_EGFR_UNDER_30)	2015-06-15 20:08:00	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
CONTRAST_RENAL_IMPAIRMENT_IV_V	Renal	Yes	No	Yes	AllFlagsTrue(HAS_CHRONIC_LOW_EGFR, HAS_EGFR_UNDER_30)	2015-06-15 20:08:00	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
CONTRAST_RISK_AGE	Age	Yes	No	No	AnyFlagTrue(AGE_OVER_60)	2015-06-15 20:15:00	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
DIAGNOSTIC_EXAM_RISK_MED	Renal	Yes	No	Yes	AllFlagsTrue(GIVE_CONTRAST_IV, IS_DIAGNOSTIC)	2015-06-15 20:20:00	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
IMAGUIDE_RISK_MED	Bleeding	Yes	No	Yes	AllFlagsTrue(HAS_BLOODTHINNER, IS_IMAGUIDE)	2015-06-15 21:00:00	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
IMPAIRED_RENAL_ALTERNATE_STUDY	Renal	Yes	No	Yes	AllFlagsTrue(HAS_EGFR_UNDER_60)	2015-06-15 21:01:00	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
IMPAIRED_RENAL_PRE_POST_HYDRATION	Renal	Yes	No	Yes	AllFlagsTrue(HAS_EGFR_UNDER_60)	2015-06-15 21:05:00	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
IMPAIRED_RENAL_REDUCED_CONTRAST	Renal	Yes	No	Yes	AllFlagsTrue(HAS_EGFR_UNDER_60)	2015-06-15 21:06:00	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
INPATIENT_RENAL_LABS	Scheduling	No	No	Yes	AllFlagsTrue(GIVE_CONTRAST_IV)	2015-06-15 21:11:00	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
NORISK_OUTPATIENT_RENAL_LABS	Scheduling	No	No	Yes	AllFlagsTrue(GIVE_CONTRAST_IV)	2015-06-15 21:13:00	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
POTENTIAL_DUPLICATE_STUDY	General	Yes	No	Yes	AnyFlagTrue(Possible_Dup_Proc)	2014-10-03 14:19:00	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
PROPHYLACTIC_ALLERGY_PREMEDICATION	Allergy	Yes	No	No	AllFlagsTrue(HAS_ANY_CONTRAST, HAS_CON)	2014-08-21 21:50:00	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
RARE_DOSE	Rare	Yes	No	Yes	AnyFlagTrue(HAS_RARE_CONTRAST, HAS_RARE)	2015-04-20 17:30:00	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
RENAL_IMPAIRMENT	Renal	Yes	No	Yes	AllFlagsTrue(HAS_EGFR_UNDER_30)	2014-08-02 03:43:00	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
RISK_AGE	Age	Yes	No	Yes	AllFlagsTrue(AGE_OVER_60)	2014-06-30 16:43:00	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
RISK_DEHYDRATION	Vascular	Yes	No	Yes	AllFlagsTrue(GIVE_CONTRAST_IV)	2014-07-28 00:40:48	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
RISK_FAMILY_HX_KIDNEY_DISEASE	Renal	Yes	No	Yes	AllFlagsTrue(GIVE_CONTRAST_IV)	2014-07-30 20:35:00	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
RISK_GOUT	General	Yes	No	Yes	AllFlagsTrue(GIVE_CONTRAST_IV)	2014-07-31 17:23:00	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
RISK_HX_KIDNEY_DISEASE	Renal	Yes	No	Yes	AllFlagsTrue(GIVE_CONTRAST_IV)	2014-07-29 00:40:48	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
RISK_HX_VASCULAR_SURGERY	Vascular	Yes	No	Yes	AllFlagsTrue(GIVE_CONTRAST_IV)	2014-07-28 00:40:48	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
RISK_INSULIN_DEPENDENT_DIABETES	Diabetes	Yes	No	Yes	AllFlagsTrue(GIVE_CONTRAST_IV)	2014-07-29 00:40:48	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
RISK_LIVER_WORKUP	General	Yes	No	Yes	AllFlagsTrue(GIVE_CONTRAST_IV)	2014-07-30 20:45:00	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
RISK_LUPUS	General	Yes	No	Yes	AllFlagsTrue(GIVE_CONTRAST_IV)	2014-07-28 00:40:48	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
RISK_NEPHROTOXIC	General	Yes	No	Yes	AllFlagsTrue(GIVE_CONTRAST_IV)	2014-07-28 00:40:48	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
RISK_NONINSULIN_DEPENDENT_DIABETES	Diabetes	Yes	No	Yes	AllFlagsTrue(GIVE_CONTRAST_IV)	2014-07-28 00:40:48	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>

Showing 1 to 29 of 29 entries

[Add Rule](#)

[Exit](#)

Figure 6- Manage Contraindications

Below is a sample View or Edit Contraindications page Trigger Criteria Selection. This rule is triggered (presented to the user at runtime) only when each of the populated trigger criteria subsections below evaluate to the Boolean value of "True". If any subsection evaluates to "False" then the rule will not trigger. Contents of the subsections should simply be valid flag names. A flag is simply a Boolean measure. A subsection is ignored if it is left blank. The flagged selection can be dragged down to the trigger criteria subsections.



Figure 7- View or Edit Contraindications page Trigger Criteria Selection

## Manage Protocols

To access the Manage Protocols section on the site. Hover over "Administristrate" and click on "Manage Protocols" in the drop down menu.

*NOTE: Each site has a unique BASE URL that is configured for the RAPTOR installation of that site.*

### URL

<http://<BASEURL>/RAPTOR/raptor/manageprotocollib>

### Sample

Below is a sample Manage Protocols page. The entries of the manage protocol page are displayed to users within the library. The table's columns are sortable and the entire Manage Protocols table is searchable.

Manage Protocols										Search:		
Short Name	Long Name	Is Active		S	R	Modality	Version	Doc Uploaded	Keywords			
FL-EXAMPLE	FL Example Placeholder Fluoroscopy Protocol	No	No	No	No	FL	2	No	1. BODY	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
NIM-EXAMPLE	NIM Example Placeholder NIM Protocol	Yes	No	No	No	NIM	4	No	1. THORAX, CHEST	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
RHD144	CT Abdomen and pelvis with IV and oral contrast	Yes	No	No	No	CT	22	Yes	1. ABDOMEN, PELVIS	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
RHD145	CT Abdomen and pelvis with IV and oral contrast	Yes	Yes	No	No	CT	2	Yes	1. ABDOMEN, PELVIS	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
RHD150	CT HEAD- POSTERIOR FOSSA (3mm) with Contrast (axial) 4	Yes	Yes	No	No	CT	20	No	1. HEAD, NEURAL	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
RHD16	CT Chest without IV contrast	Yes	No	No	No	CT	4	No	1. THORAX, CHEST	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
RHD18	CT Chest with IV contrast	Yes	Yes	No	No	CT	4	No	1. CHEST, THORAX	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
RHD160	CT HEAD- POSTERIOR FOSSA (3mm) Non-Contrast (axial) B	Yes	No	No	No	CT	4	No	1. HEAD, NEURAL	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
RHD21	CT CERVICAL SPINE without CONTRAST	Yes	No	No	No	CT	22	No	1. CERVICAL SPINAL	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
RHD22	CT HEAD Non-Contrast (axial)	Yes	No	No	No	CT	3	No	1. HEAD, NEURAL	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
RHD23	CT HEAD without and with Contrast (axial)	Yes	Yes	No	No	CT	20	No	1. HEAD, NEURAL	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
RHD24	CT HEAD with Contrast (axial)	Yes	Yes	No	No	CT	4	Yes	1. HEAD, NEURAL	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
RHD28	CT Chest, abdomen and pelvis with IV and oral contrast	Yes	Yes	No	No	CT	20	No	1. PELVIS, ABDOMEN	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
RHD31	CT LUMBAR SPINE without CONTRAST	Yes	No	No	No	CT	5	No	1. SPINE, LUMBAR	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
RHD33	CT LUMBAR SPINE with Contrast (axial)	Yes	Yes	No	No	CT	46	No	1. LUMBAR, NEURAL, SPINAL	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
RHD39	CT NECK with Contrast (axial)	Yes	Yes	No	No	CT	22	Yes	1. NECK	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
RHD42	CT ORBIT without & with CONTRAST	Yes	Yes	No	No	CT	20	No	1. HEAD, ORBITAL	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
RHD66	CT NECK ANGIOGRAPHY (CTA) (helical) only	Yes	Yes	No	No	CT	13	No	1. NECK	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
RHD66	CT HEAD PERFUSION with Contrast (axial)	Yes	Yes	No	No	CT	3	No	1. HEAD, NEURAL	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
US-EXAMPLE	US Example Placeholder Ultrasound Protocol	Yes	No	No	No	US	3	Yes	1. BODY	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
WAV004	CT High Resolution Spinal Chest (spine or prone)	Yes	No	No	No	CT	2	No	1. THORAX, CHEST	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
WAV007	CT Chest, abdomen and pelvis with oral contrast only	Yes	Yes	No	No	CT	2	No	1. ABDOMEN, CHEST, PELVIS	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
WAV008	CT Abdomen and pelvis with oral contrast only	Yes	No	No	No	CT	22	No	1. PELVIS, ABDOMEN	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
WAV10	CT Four-phase liver	Yes	Yes	Yes	No	CT	22	No	1. BODY, LIVER	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
WAV11	CT Three-phase liver	Yes	Yes	No	No	CT	1	No	1. BODY, LIVER	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
WAV12	CT KUB (normal, low dose)	Yes	Yes	No	No	CT	1	No	1. BODY, GENITOURINARY	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
WAV13	CT RVF	Yes	Yes	No	No	CT	2	No	1. BODY, GENITOURINARY	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
WAV14	CT renal mass protocol	Yes	Yes	No	No	CT	1	No	1. BODY, GENITOURINARY	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
WAV15	CT adrenal mass protocol	Yes	Yes	No	No	CT	2	No	1. BODY, GENITOURINARY	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
WAV16	CT prostate mass protocol	Yes	Yes	No	No	CT	1	No	1. BODY, PANOGENITAL	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>

Showing 1 to 30 of 150 entries.

[Add Protocol](#) | [Exit](#)

Figure 8- Manage Protocols

Below is a sample Protocol Library page. The entries of the manage protocol page are displayed to users within the library.

Protocol	Medications	Vitals	Allergies	Labs	Dose Rx	Cin (ips)	Problem List	Notes	Rad ips	Utrian
Show 25 entries								Search		
Short Name	Long Name	Maturity	Consent Required	Keywords	Hydration Settings	Sedation Settings		Contrast Settings		Radiotags Settings
RFD144	CT Abdomen and pelvis with IV and IV contrast	CT	yes	ABDOMEN, PELVIS	350cc H2O over 2hr pre-scan + post-scan			ProHance		
RFD145	CT Abdomen and pelvis with IV and oral contrast	CT	unknown	ABDOMEN, PELVIS				Ultrastill 300		
RFD158	CT HEAD-POSTERIOR FOSSA (HYDRO-MRI Contrastable)	CT	unknown	HEAD, NEURAL				Ultrastill 300		
RFD161	CT Chest without IV contrast	CT	yes	THORAX, CHEST	350cc H2O over 1hr pre-scan + post-scan	Volum 10mg PO 20 min before scan		ProHance		
RFD160	CT HEAD-POSTERIOR FOSSA (Intravenous Contrastable)	CT	yes	HEAD, NEURAL	350cc H2O over 2hr pre-scan + post-scan			ProHance		
RFD162	CT Chest with IV contrast	CT	unknown	CHEST, THORAX	350cc H2O over 2hr pre-scan + post-scan			Ultrastill 300		
RFD21	CT CERVICAL SPINE without CONTRAST	CT	yes	CERVICAL, SPINAL	350cc H2O over 2hr pre-scan + post-scan			ProHance		
RFD22	CT HEAD Non-Contrast (axial)	CT	yes	HEAD, NEURAL	350cc H2O over 2hr pre-scan + post-scan			ProHance		
RFD23	CT HEAD without and w/IV Contrast (axial)	CT	unknown	HEAD, NEURAL				Ultrastill 300		
RFD24	CT HEAD with Contrast (axial)	CT	yes	HEAD, NEURAL	350cc H2O over 2hr pre-scan + post-scan			ProHance		
RFD29	CT Chest, abdomen and pelvis with IV and oral contrast	CT		PELVIS, ABDOMEN						
RFD31	CT LUMBAR SPINE without CONTRAST	CT	yes	NEURAL, SPINAL	3500cc H2O over 2hr pre-scan + post-scan					
RFD32	PT - HEAD-POSTERIOR FOSSA (HYDRO-MRI Contrastable)	PT	yes	HEAD, NEURAL	3500cc H2O over 2hr pre-scan + post-scan					

## Manage Lists

To access the Manage Lists section on the site, Hover over "Administate" and click on "Manage Lists" in the drop down menu.

### URL

<http://<BASEURL>/RAPTOR/raptor/managelists>

### Sample

Below is a sample Manage Lists page.

<b>Manage Lists</b>	
Action	Description
<a href="#">Edit Hydration Options</a>	Hydration options are selectable during the protocol process.
<a href="#">Edit Sedation Options</a>	Sedation options are selectable during the protocol process.
<a href="#">Edit Contrast Options</a>	Contrast options are selectable during the protocol process.
<a href="#">Edit Radionuclide Options</a>	Radionuclide options are selectable during the protocol process.
<a href="#">Edit Examination Room Options</a>	Exam room options are selectable during the scheduling process.
<a href="#">Edit At Risk Medications List</a>	These keywords are used to highlight medical history of a patient.
<a href="#">Edit Allergy Contrast List</a>	These keywords are used to detect possible contrast allergies in patient.
<a href="#">Edit Blood Thinner List</a>	These keywords are used to detect possible blood thinner use by patient.
<a href="#">Edit Rare or Controlled Contrast List</a>	These keywords are used to detect selection of a rare or controlled contrast which may require advanced procurement or special ordering process.
<a href="#">Edit Rare or Controlled Radionuclide List</a>	These keywords are used to detect selection of a rare or controlled radionuclide which may require advanced procurement or special ordering process.
<a href="#">Edit Protocol Boilerplate Text Options</a>	These are snippets of boilerplate text that can be selected by button click during protocol workflow phase.
<a href="#">Edit Exam Boilerplate Text Options</a>	These are snippets of boilerplate text that can be selected by button click during exam workflow phase.
<a href="#">Edit QA Question Criteria</a>	The QA question criteria is presented to RAPTOR QA evaluators after an exam has been completed.

[Exit](#)

Figure 9- Manage Lists

## Edit Hydration Options

To access the Manage Lists section on the site. Hover over "Administate" and click on "Manage Lists" in the drop down menu. Select the first option under "Action" titled "Edit Hydration Options."

---

*NOTE: Each site has a unique BASE URL that is configured for the RAPTOR installation of that site.*

---

### URL

<http://<BASEURL>/RAPTOR/raptor/managelists>

### Sample

Below is a sample Edit Hydration Options page.

Category	Hydration Type	Applies to CT?	Applies to MR?	Applies to FM?
IV Input- NS 1-2 mL/kg/hr 12 hr pre & post-scan 1 1 1				
IV Other (See protocol notes) 1 1 1				
IV Output- NS 1-2mL/kg/hr 3-hr pre & post-scan 1 1 1				
ORAL 500cc H2O over 2hr pre-scan + post-scan 1 1 1				
ORAL Other (See protocol notes) 1 1 1				

Figure 10- Edit Hydration Options

## Edit Sedation Options

To access the Manage Lists section on the site. Hover over "Administate" and click on "Manage Lists" in the drop down menu. Select the second option under "Action" titled "Edit Sedation Options."

---

*NOTE: Each site has a unique BASE URL that is configured for the RAPTOR installation of that site.*

---

### URL

<http://<BASEURL>/RAPTOR/raptor/editssedationoptions>

### Sample

Below is a sample Edit Sedation Options page

The screenshot shows a web-based form titled 'Edit Sedation Options'. At the top, there's a note about 'Advanced Data Entry Mode' and a 'Row Format' section with four categories: Category, Sedation Type, Applies to CT?, Applies to MR?, and Applies to NM?. Below this is a 'List of options' table with two rows of data:

Category	Sedation Type	Applies to CT?	Applies to MR?	Applies to NM?
IV/Conscious sedation				
IV/Other (See protocol notes)				
ORAL Advent				
ORAL Diazepam				
ORAL Other (See protocol notes)				
ORAL Valium 10mg PO 20 min before scan				

At the bottom of the page, there are buttons for 'Save the Data' and 'Exit'.

Figure 11- Edit Sedation Options

## Edit Contrast Options

To access the Manage Lists section on the site. Hover over "Administate" and click on "Manage Lists" in the drop down menu. Select the third option under "Action" titled "Edit Contrast Options."

---

*NOTE: Each site has a unique BASE URL that is configured for the RAPTOR installation of that site.*

---

### URL

<http://<BASEURL>/RAPTOR/raptor/editcontrastoptions>

### Sample

Below is a sample Edit Contrast Options page

**Edit Contrast Options**

Advanced Data Entry Mode  
Enter one row per item. Use the | symbol as a delimiter between fields on each row.

Row Format  
Category | Contrast Test | Applies to CT? | Applies to MR? | Applies to NM?

Note: 0 = No, 1 = Yes.

List of options:

ENTERIC Gastroviley 450cc during 1-2 hrs before scan 1 0 1
ENTERIC HD 450cc over 20min prescan + 150cc on table 1 0 1
ENTERIC Other (see protocol notes) 1 1 1
ENTERIC Rectal 1 0 1
ENTERIC Radicat 450cc during 1-2 hrs before scan 1 0 1
ENTERIC Volume 1150cc protocol 1 0 1
ENTERIC Volume 450cc protocol 1 0 1
ENTERIC Volumeen 500cc protocol 1 0 1
Iv Amerior 0.03 mmol/kg 0 1 0
Iv Eovist 0.025 mmol/kg 0 1 0
Iv Isovue 370 1 0 1
Iv MultiHance 0.05 mmol/kg ("1/2 Dose") 0 1 0
Iv MultiHance 0.1 mmol/kg 0 1 0
Iv Other (see protocol notes) 1 1 1
Iv Prohance 0.1 mmol/kg 0 1 0
Iv Ultravist 360 1 0 1
Iv Visipaque 320 1 0 1

One delimited row per list item.

Figure 12- Edit Contrast Options

## Edit Radionuclide Options

To access the Manage Lists section on the site. Hover over "Administate" and click on "Manage Lists" in the drop down menu. Select the fourth option under "Action" titled "Edit Radionuclide Options."

---

*NOTE: Each site has a unique BASE URL that is configured for the RAPTOR installation of that site.*

---

### URL

<http://<BASEURL>/RAPTOR/raptor/editradioisotopeoptions>

### Sample

Below is a sample Edit Radionuclide Options page

**Edit Radionuclide Options**

Advanced Data Entry Mode  
Enter one row per item for the list. Use the | symbol as a delimiter between fields on each row.

Row Format: Category | Radionuclide Text | Applies to CT? | Applies to MR? | Applies to NM?

Note: 0 = No, 1 = Yes

**List of options**

99mTc barium 1 1 1
99mTc Fluorescein 1 1 1
99mTc Indium-111 DTPA 1 1 1
99mTc Other 1 1 1
IV Biafran 1 1 1
IV Other 1 1 1
IV Tc99m-DTPA 1 1 1
IV Tc99m-MDP 1 1 1
IV Tc99m-sestamibi 1 1 1
IV Technetium-99m 1 1 1

One dotted row per list item.

Save the Data

Figure 13- Edit Radionuclide Options

## Edit Examination Room Options

To access the Manage Lists section on the site. Hover over "Administate" and click on "Manage Lists" in the drop down menu. Select the fifth option under "Action" titled "Edit Examination Room Options."

---

*NOTE: Each site has a unique BASE URL that is configured for the RAPTOR installation of that site.*

---

### URL

<http://<BASEURL>/RAPTOR/raptor/editexamroomoptions>

### Sample

Below is a sample Edit Examination Room Options page

List of options	
Labs Notified The lab tech has been successfully contacted regarding this order	
Nurse Notified The nurse has been successfully contacted regarding this order	
Patient Notified The Patient has been successfully contacted regarding this order	
Provider Notified The Provider has been successfully contacted regarding this order	
RH 158 CT Room 2	
RH 250 FL Room	
RH 255 NM Room	
RH 398 MRI Room	

Figure 14- Edit Examination Room Options

## Edit At Risk Medications List

To access the Manage Lists section on the site. Hover over "Administate" and click on "Manage Lists" in the drop down menu. Select the sixth option under "Action" titled "Edit At Risk Medications List."

---

*NOTE: Each site has a unique BASE URL that is configured for the RAPTOR installation of that site.*

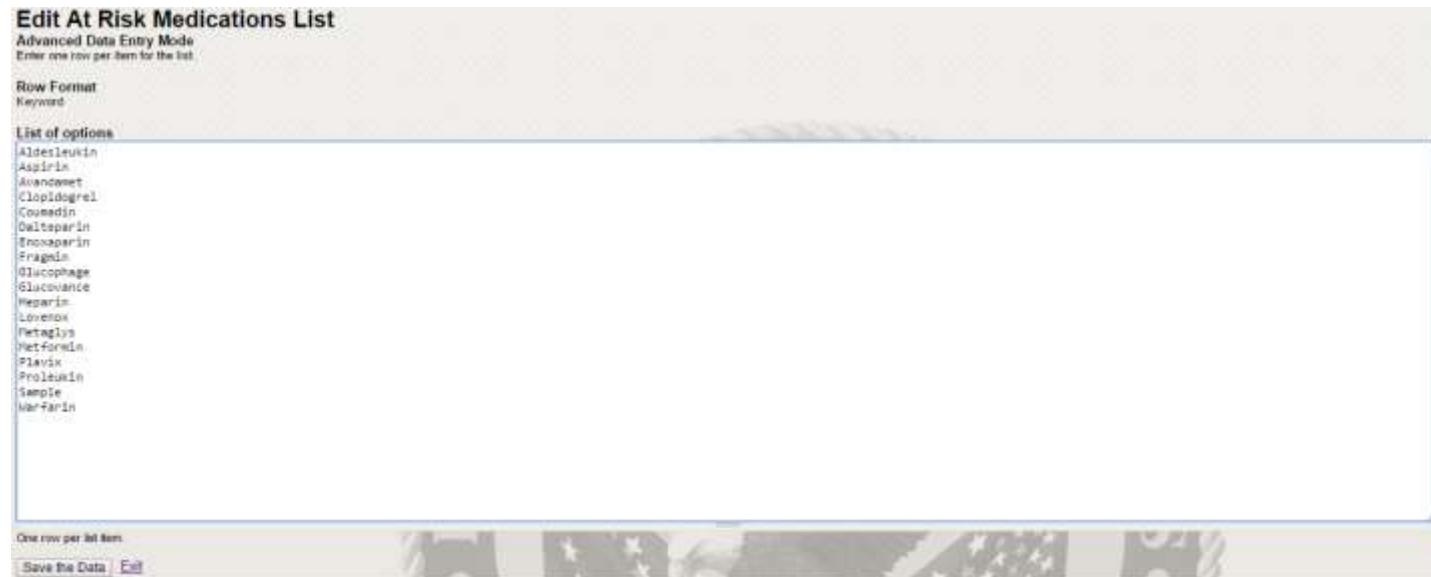
---

### URL

<http://<BASEURL>/RAPTOR/raptor/editatriskmeds>

### Sample

Below is a sample Edit At Risk Medications List page



One row per list item

Save the Data | Exit

Figure 15- Edit At Risk Medications List

## Edit At Risk Allergy Contrast List

To access the Manage Lists section on the site. Hover over "Administate" and click on "Manage Lists" in the drop down menu. Select the seventh option under "Action" titled "Edit At Risk Allergy Contrast List."

---

*NOTE: Each site has a unique BASE URL that is configured for the RAPTOR installation of that site.*

---

### URL

<http://<BASEURL>/RAPTOR/raptor/editatriskallergycontrast>

### Sample

Below is a sample Edit At Risk Allergy Contrast List page

Row Format	List of options
Keyword	Contrast Gadolinium Intravascular Iodinated Iosine

One item per list item.

[Save the Data](#) [Exit](#)

Figure 16- Edit At Risk Allergy Contrast List

## Edit Blood Thinner List

To access the Manage Lists section on the site. Hover over "Administate" and click on "Manage Lists" in the drop down menu. Select the seventh option under "Action" titled "Edit Blood Thinner List."

---

*NOTE: Each site has a unique BASE URL that is configured for the RAPTOR installation of that site.*

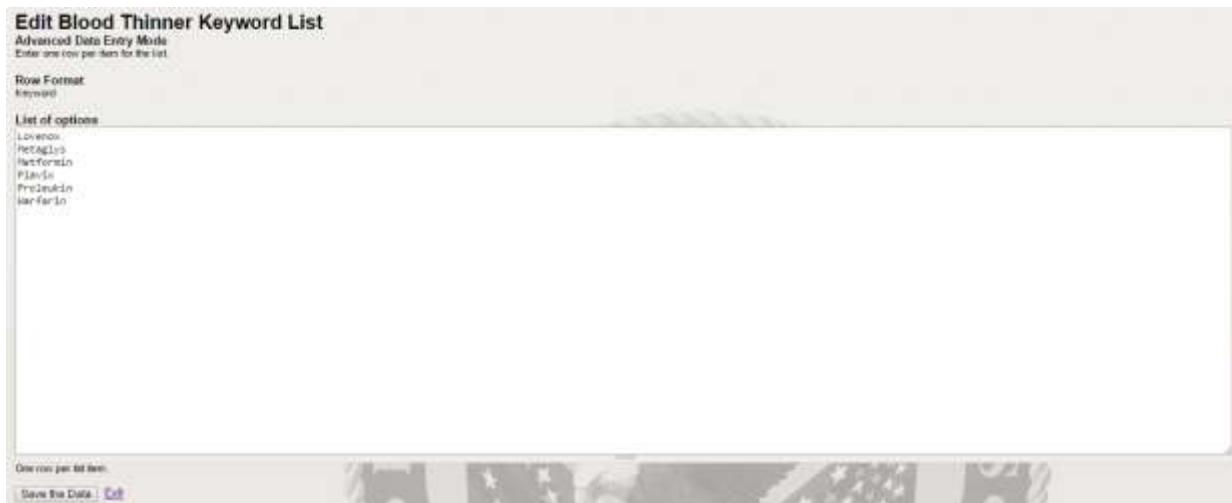
---

### URL

<http://<BASEURL>/RAPTOR/raptor/editatriskbloodthinner>

### Sample

Below is a sample Edit Blood Thinner List page



The screenshot shows a web-based form titled "Edit Blood Thinner Keyword List". The form is in "Advanced Data Entry Mode" and instructs the user to "Enter one row per item for the list." It includes a "Row Format" dropdown set to "Keyword" and a "List of options" table. The table has one row with the value "Warfarin". Below the table, there is a note "One row per list item". At the bottom of the form, there are two buttons: "Save the Data" and "Edit".

Figure 17- Edit Blood Thinner List

## Edit Rare or Controlled Contrast List

To access the Manage Lists section on the site. Hover over "Administate" and click on "Manage Lists" in the drop down menu. Select the eighth option under "Action" titled "Edit Rare or Controlled Contrast List."

---

*NOTE: Each site has a unique BASE URL that is configured for the RAPTOR installation of that site.*

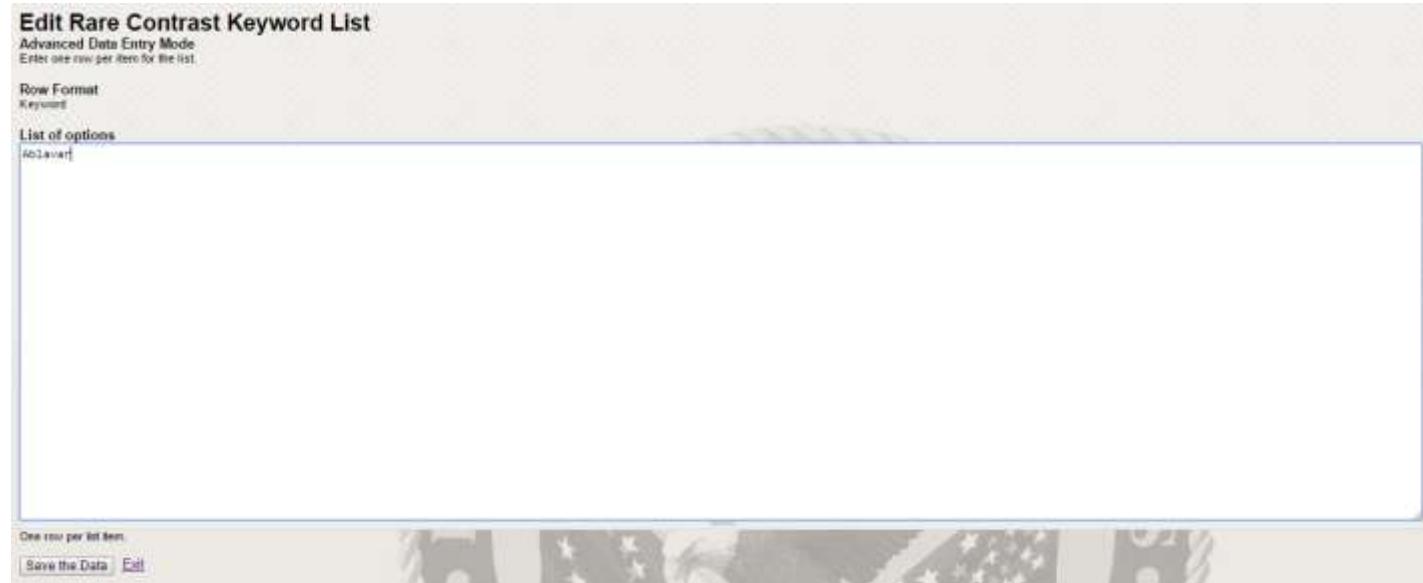
---

### URL

<http://<BASEURL>/RAPTOR/raptor/editatriskrarecontrast>

### Sample

Below is a sample Edit Rare or Controlled Contrast List



**Edit Rare Contrast Keyword List**  
Advanced Data Entry Mode  
Enter one row per item for the list.

Row Format
Keywords

List of options

AC1awar

One row per list item.

[Save the Data](#) [Exit](#)

Figure 18- Edit Rare or Controlled Contrast List

## Edit Rare or Controlled Radionuclide List

To access the Manage Lists section on the site. Hover over "Administate" and click on "Manage Lists" in the drop down menu. Select the ninth option under "Action" titled "Edit Rare or Controlled Radionuclide List."

---

*NOTE: Each site has a unique BASE URL that is configured for the RAPTOR installation of that site.*

---

### URL

<http://<BASEURL>/RAPTOR/raptor/editatriskrareradioisotope>

### Sample

Below is a sample Edit Rare or Controlled Radionuclide List

The screenshot shows a web-based application for managing radionuclides. The title bar reads "Edit Rare Radionuclide Keyword List". Below the title, there's a note: "Advanced Data Entry Mode" and "Enter one row per item for the list." A "Row Format" dropdown is set to "Keyword". A "List of options" table contains one row with the value "RAD3". At the bottom, there are buttons for "One row per list item.", "Save the Data", and "Exit".

Figure 19- Edit or Controlled Radionuclide List

## Edit Protocol Boilerplate Text Options

To access the Manage Lists section on the site. Hover over "Administate" and click on "Manage Lists" in the drop down menu. Select the tenth option under "Action" titled "Edit Protocol Boilerplate Text Options."

---

*NOTE: Each site has a unique BASE URL that is configured for the RAPTOR installation of that site.*

---

### URL

<http://<BASEURL>/RAPTOR/raptor/editboilerplateprotocoloptions>

### Sample

Below is a sample Edit Protocol Boilerplate Text Options

**Edit Protocol Boilerplate Text Options**  
Advanced Data Entry Mode  
Prompt users for entry using {prompt text here} markers in the Snippet text.  
Enter one row per item for the list. Use the | symbol as a delimiter between fields on each row.

**Row Format:** Category | Title | Snippet

**List of options:**

General|Lab|Nephrology|Scheduler, please assure patient gets renal function laboratory blood draw prior to exam.  
General|MRI Markers|Technologist, please bracket mass with skin surface markers prior to scanning.  
General|On Table Check|Technologist, please have Radiologist check images while patient is still on table.  
General|Unauthorized Provider|Unauthorized ordering provider for this joint MRI examination. Please contact provider and recommend referral to Orthopedics, Rehabilitation Medicine, or Rheumatology.  
Hydration|IV Inpatient|Normal saline 1-2 mL/kg/hour for 12 hours before and after scan.  
Hydration|IV Outpatient|Normal saline 1-2 mL/kg/hour for 3-6 hours before and after scan.  
Hydration|Oral|500 cc water during 2 hr before scan + 500 cc water during 2 hrs after scan.  
Premedication|Diphenhydramine | Diphenhydramine 25 mg PO 1 hr before scan for either protocol above.  
Premedication|Emergency| Emergency protocol - Hydrocortisone 100 mg IV 6 hr before scan, 8 hr before scan, and 4-6 hr after scan + diphenhydramine 50 mg PO or IM or IV 1 hr before scan.  
Premedication|Methylprednisolone|Methylprednisolone 32 mg PO @ 12 hr and 2 hr before scan.  
Premedication|Prednisone|Prednisone 50 mg PO @ 13 hr, 7 hr and 1 hr before scan.

One delimited row per list item.

Save the Data | Exit

Figure 20- Edit Protocol Boilerplate Text Options

## Edit Exam Boilerplate Text Options

To access the Manage Lists section on the site. Hover over "Administate" and click on "Manage Lists" in the drop down menu. Select the eleventh option under "Action" titled "Edit Exam Boilerplate Text Options."

---

*NOTE: Each site has a unique BASE URL that is configured for the RAPTOR installation of that site.*

---

### URL

<http://<BASEURL>/RAPTOR/raptor/editboilerplateexamoptions>

### Sample

Below is a sample Edit Exam Boilerplate Text Options

**Edit Exam Boilerplate Text Options**

Advanced Data Entry Mode  
Prompt users for entry using [<prompt text here>] markers in the Snippet text.

Enter one row per item for the list. Use the | symbol as a delimiter between fields on each row.

**Row Format**  
Category | Title | Snippet

**List of options**

General|Difficult Patient|Image quality is reduced by {<artifact>} because patient {<reason>}.

General|Extravasation|Extravasation of IV contrast occurred. {<x>} cc of {<type>} at {<anatomy>}.

One delimited row per list item.

Save the Data [Cancel](#)

Figure 21- Edit Exam Boilerplate Text Options

## Edit QA Question Criteria

To access the Manage Lists section on the site. Hover over "Administate" and click on "Manage Lists" in the drop down menu. Select the last option under "Action" titled "Edit QA Question Criteria."

---

*NOTE: Each site has a unique BASE URL that is configured for the RAPTOR installation of that site.*

---

### URL

<http://<BASEURL>/RAPTOR/raptor/editqaquestions>

### Sample

Below is a sample Edit QA Question Criteria

**Edit QA Questions**

The QA questions are presented to authorized users once an exam has been completed in RAPTOR.

If you are changing the meaning or character of a question it is important that you also change the "shortname" value of that question otherwise metrics for existing QA evaluations will be mischaracterized.

When composing questions, bear in mind that the scoring is as follows:

0 = Not Evaluated  
1 = Needs significant improvement  
2 = Needs improvement  
3 = Satisfactory  
4 = Very good  
5 = Outstanding

Blank fields are always added to the bottom of this page so you can create a new question. To create multiple new questions, save this page multiple times, once for each new question you are adding.

To DELETE a question from RAPTOR, delete ALL the field values and the question will be removed when you save the page.

Replace Existing QA Questions

<b>Position</b> The relative position of this question. Question at position 1 is shown before question at position 2 etc. <input type="text" value="1"/>	<b>Shortname</b> SAMPLE_QA_QUESTION1 This is the unique key associated with the QA evaluation for the question.
<b>Question</b> How great is RAPTOR. This is the short criteria question text presented to the evaluator.	
<b>Explanation</b> How much you enjoyed RAPTOR.	

This is the detailed explanation of the criteria this question addresses.

<b>Position</b> The relative position of this question. Question at position 2 is shown before question at position 3 etc. <input type="text" value="2"/>	<b>Shortname</b> SAMPLE_QA_QUESTION2 This is the unique key associated with the QA evaluation for the question.
---	---

This is the detailed explanation of the criteria this question addresses.

[Save QA Question Changes](#) [Exit](#)

This is the detailed explanation of the criteria this question addresses.

**Position:** 3  
The relative position of this question. Question at position 3 is shown before question at position 4 etc.

**Shortname:** SAMPLE\_QA\_QUESTIONS  
This is the unique key associated with the QA evaluation for the criterion.

**Question:**  
QA Evaluation Criteria Item 3.  
This is the short criteria question text presented to the evaluator.

**Explanation:**  
This is a sample evaluation criteria

This is the detailed explanation of the criteria this question addresses.

**Position:** 4  
The relative position of this question. Question at position 4 is shown before question at position 5 etc.

**Shortname:**  
This is the unique key associated with the QA evaluation for the criterion.

**Question:**  
This is the short criteria question text presented to the evaluator.

**Explanation:**

Figure 22- Edit QA Question Criteria

### *View Reports*

To access the View Reports section on the site. Hover over "Administate" and click on " View Reports" at the bottom of the drop down menu.

---

*NOTE: Each site has a unique BASE URL that is configured for the RAPTOR installation of that site.*

---

### URL

<http://<BASEURL>/raptor/raptor/viewReports>

### Sample

Below is a sample View Reports page.

<b>View Reports</b>	
Action	Description
<a href="#">View Department Activity Report</a>	Shows activity in the system at a department level
<a href="#">View User Activity Analysis Report</a>	Shows analysis of user activity in the system
<a href="#">View Facility Radiation Dose Watch Report</a>	Shows available facility radiation dose tracking information
<a href="#">View Contraindication Rules Report</a>	Shows contraindication rules
<a href="#">View Conversion Formulas Report</a>	Shows supported conversion formulas
<a href="#">View Room Reservations Report</a>	Shows room reservations
<a href="#">View User Activity Report</a>	Shows user activity times in the system.
<a href="#">Exit</a>	

Figure 23- View Reports

### *Department Activity Report*

To access the View Reports section on the site. Hover over "Administate" and click on "View Reports" at the bottom of the drop down menu. Select the first option under "Action" titled "Department Activity Report."

---

*NOTE: Each site has a unique BASE URL that is configured for the RAPTOR installation of that site.*

---

#### URL

<http://<BASEURL>/raptor/raptor/viewReports>

#### Sample

Below is a sample Department Activity Report.

<b>Department Ticket Processing Activity Analysis</b>																		
Raptor Site 500 as of 2015-08-05 15:16:04 (All available data since 2015-07-29)																		
<a href="#">Download detail to a CSV file</a>   <a href="#">Download detail to a tab-delimited text file</a>																		
<a href="#">Show: 10 • entries</a>																		
Modality	Year	Quarter	Week	Day	Total Approved	Count Reserved	Count Collab	Init	Acknowledge	Total Complete	Total Suspend	Max Time between Approved and Sched	Avg Time Approved to Sched	Max Time Approved to Exam Completed	Avg Time Approved to Exam Completed	Max Time Collab	Avg Time Collab	Total Scheduled
-	2015	3	31	0	0	0	0	0	0	0	0	1 day 3 hours 18 minutes and 40 seconds	1 day 3 hours 18 minutes and 40 seconds	0 days 0 hours 10 minutes and 40 seconds	0 days 0 hours 10 minutes and 40 seconds	0	0	
-	2015	3	31	0	0	0	0	0	0	0	0	7 days 1 hours 28 minutes and 28 seconds	7 days 1 hours 28 minutes and 28 seconds	7 days 1 hours 24 minutes and 28 seconds	7 days 1 hours 24 minutes and 28 seconds	1	1	
CT	2015	3	31	0	1	0	0	0	0	0	0	6 days 9 hours 46 minutes and 10 seconds	6 days 9 hours 46 minutes and 10 seconds	6 days 9 hours 46 minutes and 10 seconds	6 days 9 hours 46 minutes and 10 seconds	0	0	
NM	2015	3	31	0	0	0	0	0	0	0	0	6 days 16 hours 58 minutes and 58 seconds	6 days 16 hours 58 minutes and 58 seconds	6 days 16 hours 58 minutes and 58 seconds	6 days 16 hours 58 minutes and 58 seconds	0	0	

Figure 24- Department Activity Report

## User Analysis Activity Report

To access the View Reports section on the site. Hover over "Administate" and click on "View Reports" at the bottom of the drop down menu. Select the second option under "Action" titled "User Analysis Activity Report."

---

*NOTE: Each site has a unique BASE URL that is configured for the RAPTOR installation of that site.*

---

### URL

<http://<BASEURL>/raptor/raptor/viewReports>

### Sample

Below is a sample User Analysis Activity Report.

User Ticket Processing Activity Analysis																							
Raptor Site 566 as of 2015-08-05 15:19:02 (All available data since 2015-07-29)																							
Download detail to a CSV file   Download detail to a tab delimited text file																							
Show: 10 ▾ entries																							
Modality	Year	Quarter	Week	Day	User Name	User Role	Most recent login	Total	Count Approved	Count Reserved	Count Colab Init	Count Colab Target	Total Acknowledge	Total Complete	Total Suspend	Total Approved and Sched	Max Time between Sched	Avg Time Approved to Sched	Max Time Approved to Exam Completed	Avg Time Accepted to Exam Completed	Max Time Colab	Avg Time Colab	Total Scheduled
--	2015	31	5	8 Weeks	Radiologist	2015-08-05	0 14:26:31	0	0	0	0	0	0	0	0	0	0	0	5 days 3 hours 21 minutes and 39 seconds	5 days 3 hours 21 minutes and 39 seconds	2		
--	2015	31	5	14 Radiologist Resident				0	0	0	0	0	0	0	0	0	0	0	0	0	0		
--	2015	31	5	8 Weeks	Radiologist	2015-08-05	0 14:26:31	0	0	0	0	0	0	0	0	0	0	0	7 days 1 hours 31 minutes and 27 seconds	7 days 1 hours 31 minutes and 27 seconds	1		
--	2015	31	5	14 Radiologist Resident				0	0	0	0	0	0	0	0	0	0	0	0	0	0		
CT	2015	31	5	14 Radiologist Radiologist				0	0	0	0	0	0	0	0	0	0	0	0	0	0		
CT	2015	31	5	8 Weeks	Radiologist	2015-08-05	1 14:26:31	1	0	0	0	0	0	0	0	0	0	0	5 days 3 hours 40 minutes and 9 seconds	5 days 3 hours 40 minutes and 9 seconds	0		
NW	2015	31	5	8 Weeks	Radiologist	2015-08-05	0 14:26:31	0	0	0	0	1	1	1	0	0	6 days 16 hours 50 minutes and 58 seconds	6 days 16 hours 50 minutes and 58 seconds	0	0	0		

Figure 25- User Analysis Activity Report

## Facility Radiation Dose Watch Report

To access the View Reports section on the site. Hover over "Administate" and click on " View Reports" at the bottom of the drop down menu. Select the third option under "Action" titled " Facility Radiation Dose Watch Report."

---

*NOTE: Each site has a unique BASE URL that is configured for the RAPTOR installation of that site.*

---

### URL

<http://<BASEURL>/raptor/raptor/viewReports>

### Sample

Below is a sample Facility Radiation Dose Watch Report.

A screenshot of a web page titled "Facility Radiation Dose Watch". The page contains a message stating "No radiation dose information is currently available for this facility". At the bottom left, there are two buttons: "Refresh Report" and "Exit".

**Facility Radiation Dose Watch**  
This report shows the average radiation dose values collected at this facility for each protocol. Values are only factored into the averages after an exam is completed in RAPTOR and the exam has been committed to the VistaA system.  
No radiation dose information is currently available for this facility  
Refresh Report | Exit

Figure 26- Facility Radiation Dose Watch Report

## Contraindication Rules Report

To access the View Reports section on the site. Hover over "Administrate" and click on "View Reports" at the bottom of the drop down menu. Select the fourth option under "Action" titled "Contraindication Rules Report."

---

*NOTE: Each site has a unique BASE URL that is configured for the RAPTOR installation of that site.*

---

### URL

<http://<BASEURL>/raptor/raptor/viewReports>

### Sample

Below is a sample Contraindication Rules Report.

Contraindication Rules			
Show:	Locked Value	Category Name	Purpose
Type	Name		Formula
No	boolean Schedule=ATRISK_OUTPATIENT_RENAL_LABS		Laboratory result function required within 14 days for all risk outpatients. Please assure blood draw is entered
No	boolean Allergy=CONSENT_ALLERGY_CONTRAINDICATION		Consent for IV contrast required, potential history of imaging contrast dye allergy
No	boolean Allergy=CONTRAST_ALLERGY_CONTRAINDICATION		CONSENT FOR IV CONTRAST REQUIRED, POTENTIAL HISTORY OF IMAGING CONTRAST DYE ALLERGY
No	boolean Renal=CONTRAST_RENAL_IMPAIRMENT_ACUTE_IV		All risk for contrast, Acute Stage 3 Renal Impairment
No	boolean Renal=CONTRAST_RENAL_IMPAIRMENT_CHRONIC		All risk for contrast, Chronic Stage 3 Renal Impairment
No	boolean Renal=CONTRAST_RENAL_IMPAIRMENT_IV_V		All risk for contrast, Stage IV or Stage V Renal Impairment
No	boolean Age=CONTRAST_RISK_AGE		Studies of serum creatinine suggest age, hypertension, and diabetes are important predictors of creatinine elevation. In addition, many VA centers use age (with variable thresholds) to determine the need for creatinine testing and this practice is also ingrained in the department culture at VA.
No	boolean Renal=DIAGNOSTIC_EXAM_RISK_MED		Patient medication use increases risk for IV contrast complications
No	boolean Bleeding=BLOOMED_RISK_MED		All-Risk Medications for Image-Guided Procedures. Increased risk of bleeding complications
No	boolean Renal=IMPAIRED_RENAL_ALTERNATE_STUDY		Impaired renal function, consider non-contrast study or alternative imaging modality
No	boolean Renal=IMPAIRED_RENAL_PRE_POST_HYDRATION		Impaired renal function, consider pre and post-exam hydration for renal protection if IV contrast will be administered
No	boolean Renal=IMPAIRED_RENAL_REDUCED_CONTRAST		Impaired renal function, consider reduced dose of IV contrast if IV contrast will be administered
No	boolean General=POTENTIAL_DUPLICATE_STUDY		Click the RP column in the workflow for this order to group together all other active orders for this patient
No	boolean Allerg=PROPHYLACTIC_ALLERGY_PREMEDICATION		Potential history of imaging contrast dye allergy, consider prophylactic premedication protocol
No	boolean Rare=RARE_DOSE		This exam has rare or difficult to procure doses. Please use caution as to not waste valuable resources and allow enough time for procurement when scheduling the exam.
No	boolean Renal=RENAL_IMPAIRMENT		This patient may have Renal Impairment and require consent prior to contrast enhanced advanced medical imaging
No	boolean Age=RISK_AGE		Routine oral urine testing prior to contrast administration is not necessary in all patients. The major indications are age over 60, history of renal insufficiency, diabetes mellitus, or hypertension.
No	boolean Vascular=RISK_DEHYDRATION		Myeloma or Sickle Cell disease (risks for dehydration)
No	boolean Renal=RISK_FAMILY_HL_KIDNEY_DISEASE		Family history of kidney failure
No	boolean General=RISK_GOUT		GOUT
No	boolean Renal=RISK_HL_KIDNEY_DISEASE		A history of kidney disease (including kidney tumors, solitary kidney, renal transplantation, recurrent UTI, etc.)
No	boolean Vascular=RISK_HL_VASCULAR_SURGERY		A history of vascular surgery for atherosclerosis
No	boolean Diabetes=RISK_ISL_BETA_CELL_DEPENDENT_DIABETES		Insulin-dependent diabetes >3 yrs
No	boolean General=RISK_LIVER_WORKUP		Liver lab work-up
No	boolean General=RISK_LUPUS		Systemic Lupus Erythematosus
No	boolean General=RISK_NEPHROTOXIC		On nephrotoxic drugs
No	boolean Diabetes=RISK_NONINSULIN_DEPENDENT_DIABETES		Non-insulin-dependent diabetes >5 yrs

Showing 1 to 27 of 27 entries

[Refresh Report](#) | [Exit](#)

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Figure 10 - Sample Contraindication Rules Report

## Conversion Formulas Report

To access the View Reports section on the site. Hover over "Administate" and click on "View Reports" at the bottom of the drop down menu. Select the fifth option under "Action" titled "Conversion Formulas Report."

*NOTE: Each site has a unique BASE URL that is configured for the RAPTOR installation of that site.*

### URL

<http://<BASEURL>/raptor/raptor/viewReports>

### Sample

Below is a sample Conversion Formulas Report.

<b>Conversion Formulas</b>					
Category	Normalizing	From Units	To Units	Formula	Example Unit Conversion
Temperature	Yes	F	C	(Sinputvalue - 32) * 5/9	-17.222222222222
Temperature	No	C	F	(Sinputvalue * 9/5) + 32	33.8
Length	Yes	ft	cm	Sinputvalue * 36.48	38.48
Length	Yes	m	cm	Sinputvalue * 100	2.54
Length	No	cm	ft	Sinputvalue * 0.03281	0.03281
Length	No	cm	m	Sinputvalue * 0.00333701	0.00333701
Length	No	cm	mm	Sinputvalue * 10	10
Length	Yes	m	cm	Sinputvalue * 100	100
Length	No	m	mm	Sinputvalue * 1000	1000
Length	Yes	mm	cm	Sinputvalue / 10	0.1
Length	No	mm	m	Sinputvalue / 1000	0.001
Weight	Yes	lb	kg	Sinputvalue * 0.453592	0.453592

Figure 11 - Sample Conversion Formulas Report

## Room Reservations Report

To access the View Reports section on the site. Hover over "Administate" and click on " View Reports" at the bottom of the drop down menu. Select the sixth option under "Action" titled "Room Reservations Report."

---

*NOTE: Each site has a unique BASE URL that is configured for the RAPTOR installation of that site.*

---

### URL

<http://<BASEURL>/raptor/raptor/viewReports>

### Sample

Below is a sample Room Reservations Report.



The screenshot shows a table titled "Room Reservations" with the following data:

Room	Scheduled Date	Duration	Confirmed by Patient
Labs Notified	2015-07-28 13:47:00	15	No
Nurse Notified	2015-07-28 12:12:00	15	No
Patient Notified	2015-07-28 12:09:00	15	No
Provider Note	2015-07-26 12:04:00	18	Yes 2015-07-26 12:07:00
Rm. 158	2015-07-28 12:13:00	15	No
	2015-07-28 11:57:00		No

Figure 27- Room Reservations

## User Activity Report

To access the View Reports section on the site. Hover over "Administratate" and click on "View Reports" at the bottom of the drop down menu. Select the last option under "Action" titled "User Activity Report."

---

*NOTE: Each site has a unique BASE URL that is configured for the RAPTOR installation of that site.*

---

### URL

<http://<BASEURL>/raptor/raptor/viewReports>

### Sample

Below is a sample User Activity Report

User Activity							Search:
Show: 10	Full name	Role	Last Login	Last Logout	Last Activity	Time Since Last Activity	
Olivero	Vikku, Dame	Radiologist	08/05/2015 14:26:29	2015-09-05 15:38:08	08/05/2015 15:38:40	2 minutes and 29 seconds	
Orthopedist	Ms. Scheduler, Fresno	Scheduler	02/25/2015 17:13:55	"Never"	02/25/2015 17:17:10	16 days 21 hours 20 minutes and 59 seconds	
Orthopedist	Dr. Radiologist, Fresno	Radiologist	07/24/2015 18:36:23	2015-07-24 18:31:45	07/24/2015 18:36:03	11 days 20 hours 48 minutes and 6 seconds	
Orthopedist	Dr. Radiologist, Innovator	Radiologist	03/30/2015 17:25:02	"Never"	03/30/2015 17:26:02	127 days 22 hours 13 minutes and 7 seconds	
Orthopedist	Dr Resident, Seattle	Resident	04/05/2015 23:25:41	"Never"	04/05/2015 23:25:41	121 days 16 hours 52 minutes and 28 seconds	
Orthopedist	Mr. OME(2nd year), MASCLERK	Technologist	04/27/2015 13:44:37	"Never"	04/27/2015 13:44:37	108 days 1 hours 53 minutes and 32 seconds	
Orthopedist	Mr. Technologist, Fresno	Technologist	02/09/2015 18:23:03	"Never"	02/09/2015 18:52:37	576 days 19 hours 45 minutes and 32 seconds	
Orthopedist	Ms. Technologist, Tucson	Technologist	04/13/2015 16:31:27	"Never"	04/13/2015 16:31:27	513 days 23 hours 6 minutes and 42 seconds	
Orthopedist	Dr. Resident, Portland	Resident	04/12/2015 17:45:36	"Never"	04/12/2015 18:05:01	53 days 21 hours 33 minutes and 5 seconds	
Orthopedist	Technologist, Seattle	Technologist	04/20/2015 15:25:50	"Never"	04/20/2015 15:32:39	187 days 8 hours 5 minutes and 30 seconds	
Orthopedist	Dr. Resident, Tucson	Resident	04/13/2015 16:34:15	"Never"	04/13/2015 17:16:09	113 days 22 hours 22 minutes and 9 seconds	
Orthopedist	Ms Scheduler, Seattle	Scheduler	02/02/2015 15:10:59	"Never"	02/02/2015 15:37:43	883 days 23 hours 0 minutes and 26 seconds	
Orthopedist	Dr Radiologist, Portland	Radiologist	07/07/2015 17:57:52	"Never"	07/07/2015 18:21:22	28 days 21 hours 56 minutes and 47 seconds	
Orthopedist	Dr Radiologist, Tucson	Radiologist	03/16/2015 16:09:05	"Never"	03/16/2015 16:41:11	141 days 22 hours 56 minutes and 56 seconds	
Orthopedist	Dr Radiologist, Seattle	Radiologist	07/31/2015 20:29:48	2015-07-31 20:34:02	07/31/2015 20:56:06	4 days 18 hours 48 minutes and 3 seconds	
Orthopedist	Ms. Scheduler, Tucson	Scheduler	04/13/2015 17:16:57	"Never"	04/13/2015 17:51:36	113 days 21 hours 46 minutes and 36 seconds	
admin	Home, Site	Site Administrator	06/03/2015 10:32:23	2015-08-03 10:41:48	06/03/2015 10:41:47	2 days 4 hours 56 minutes and 23 seconds	

Showing 1 to 17 of 17 entries

[Refresh Report](#) | [Edit](#)

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Figure 28- User Activity Report

## About

To access the About section on the site. Hover over "Administristrate" and click on "About" at the bottom of the drop down menu.

## URL

---

*NOTE: Each site has a unique BASE URL that is configured for the RAPTOR installation of that site.*

---

## Sample

Below is a sample About page.



Figure 29- Sample About Page

## Worklist Data

### Worklist

The worklist shows all the available orders for a user to protocol. The orders might be in any state. There is also a request from the VA that they be able to create orders in RAPTOR for protocol purposes.

The screenshot displays the RAPTOR Worklist Data interface. At the top, there are buttons for 'Edit This Work Order' and 'Refresh Worklist'. On the right, there are links for 'Change Columns', 'Click Mode', 'Edit The Protocol', and 'Worklist Filter Mode' set to 'Weekly Protocol'. The main area is a table with the following data:

ID	Patient	Date Entered	Date Created	Mobility	Status	Requester	Patient Category	Location	Academy	Workflow Status	Assigned
00704411	3046.000 - 2011-09-01@13:00	2011-09-01 13:00:00	2011-09-01 13:00:00	PT	CTUS/CHC/FOB/CLT@RPTOR.SA	STAT	Transport	Asymptomatic	Medical Clinic	Active	Open
00704414	3046.000 - 2011-09-01@13:00	2011-09-02 12:00:00	2011-09-02 12:00:00	PT	CTUS/CHC/FOB/CLT@RPTOR.SA	STAT	Transport	Asymptomatic	Medical Clinic	Active	Open
00704416	3046.000 - 2011-09-01@13:00	2011-09-03 09:00:00	2011-09-03 09:00:00	PT	CTUS/CHC/FOB/CLT@RPTOR.SA	STAT	Transport	Asymptomatic	Medical Clinic	Active	Open
00704419	3046.000 - 2011-09-01@13:00	2011-09-03 10:00:00	2011-09-03 10:00:00	PT	CTUS/CHC/FOB/CLT@RPTOR.SA	STAT	Transport	Asymptomatic	Medical Clinic	Active	Open
00704420	3046.000 - 2011-09-01@13:00	2011-09-03 10:00:00	2011-09-03 10:00:00	PT	CTUS/CHC/FOB/CLT@RPTOR.SA	STAT	Transport	Asymptomatic	Medical Clinic	Active	Open

Figure 30- Worklist Data

## Revision History

When	Who	Description
June 2015	SAN	Initial draft.