

User Pre-Release Notes

for RADNET rRIS
Build 1.18

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1. Purpose

This document describes some of the new features and changes implemented in rRIS as of the end of Sprint 18. This pre-release version of rRIS is referred to as Build 1.18.

Only features which can be visually demonstrated to the user will be outlined in this document.

2. Intended Audience

This document is created by the rRIS Development team for the RadNet RIS management team.

3. Installing/Accessing the Application

The installation instructions for the rRIS client have been posted to the RadNet Wiki page at <http://mdbal01rdtweb/Wiki/>

Under the RIS menu, click on the rRIS page. The credentials to access the page are:

Username: rRIS

Password: Summerside

Please note that Build 1.18 is considered a new core release of the application and will require a reinstallation of rRIS. This is accomplished by navigating to the rRIS shared installation drive and running the CoreInstall.bat file (ex: I:\RISDeployment\CoreInstall.bat)

If you experience difficulties accessing the application, please do not hesitate to contact Spencer MacDougall with the PEI RIS Development Team.

4. New Features and Enhancements

Aborted Study Workflow

In previous versions we could abort a study and reschedule but if the user chose not to reschedule, the study was left in aborted status. In build 1.18 we have taken it a step further. Instead of leaving the study in aborted status we now make a copy of the visit and order and mark them as new, resulting in the study being moved back to the Orders to Schedule work list. A pop up in the Perform Exam screen informs the user that the order has been returned to pending orders work list.

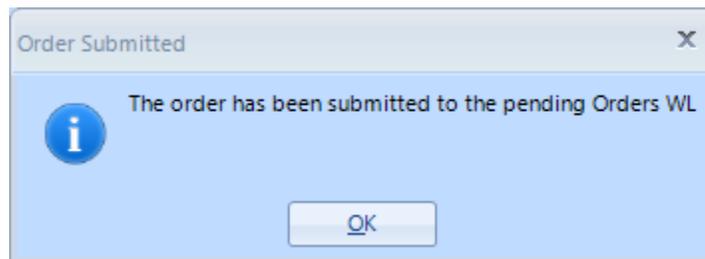


Figure 4.1 – Aborted Study Confirmation box.

Ability to add Assigned, Performing and Assisting Radiologists

In build 1.18 three new list boxes were added to the Perform Exam allowing the Technologist to capture the Assigned Radiologist, Performing Radiologist and Assisting Radiologist.

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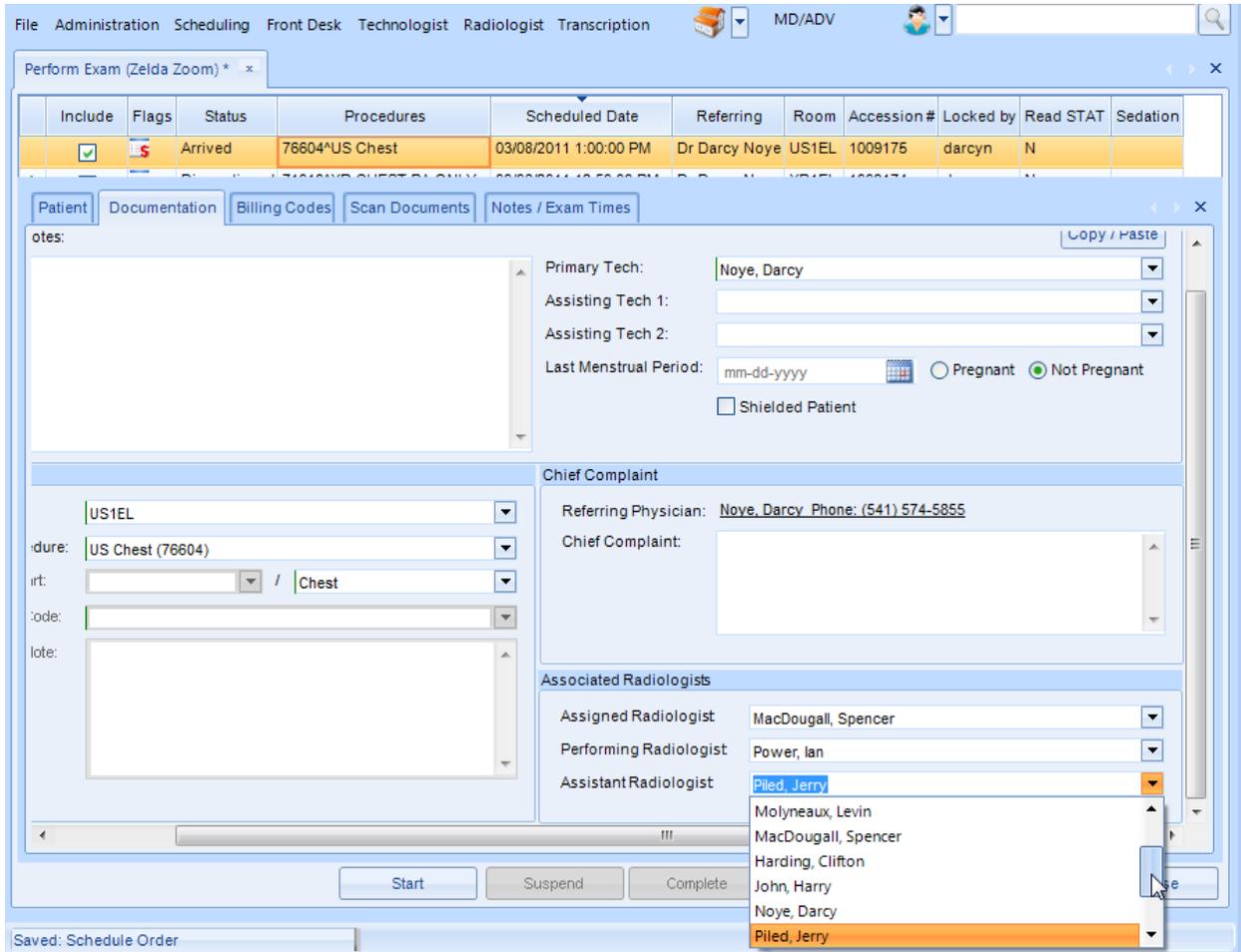


Figure 4.2 – Associated Radiologists list boxes

Capture Injury / Adjustor Info

In build 1.18 the Adjustor’s first and last names and also adjustor’s phone number can be captured in the Manage Policies / Patient Insurance Policies window.

The screenshot shows a software window titled "Patient Insurance Policies" with a "Manage Policies" button. The window is divided into several sections:

- Referring Details:** Includes fields for "Referring:" and "CC Physicians:".
- Preferred Location:** Includes fields for "Practice:" and "Site:".
- Insurance Policies:** A table with columns: "Use", "carrier", "policy number", "group number", "group name", and "Expired". One row is highlighted with a yellow background, showing "720125 MEDICAL CLAIMS MANAGEMENT CORP, 8003340609", "12684651", "5411", and an unchecked "Expired" checkbox.
- Policy Holder Information:** Includes a "Show Inactive Policies" checkbox, "Relation to patient:" (dropdown: Parent), "First Name:" (text: Connie), "Last Name:" (text: Cone), "Birth Date:" (calendar: 02-27-1963), and "Gender:" (dropdown: Female).
- Injury Details:** Includes "Claim Number:" (text: 1524), "Unknown Claim Number" checkbox, "Injury Date:" (calendar: 07-25-2011), "Source:" (dropdown: Employment), "City:" (text: Sunnyville), "Employer:" (text: Sunnyville Honda), "State:" (text: PE), "Adjustor First Name:" (text: Henry), "Adjustor Last Name:" (text: Wienstien), and "Adjustor Phone Number:" (text: (902) 154-8798).

Buttons for "OK" and "Cancel" are located at the bottom right of the window.

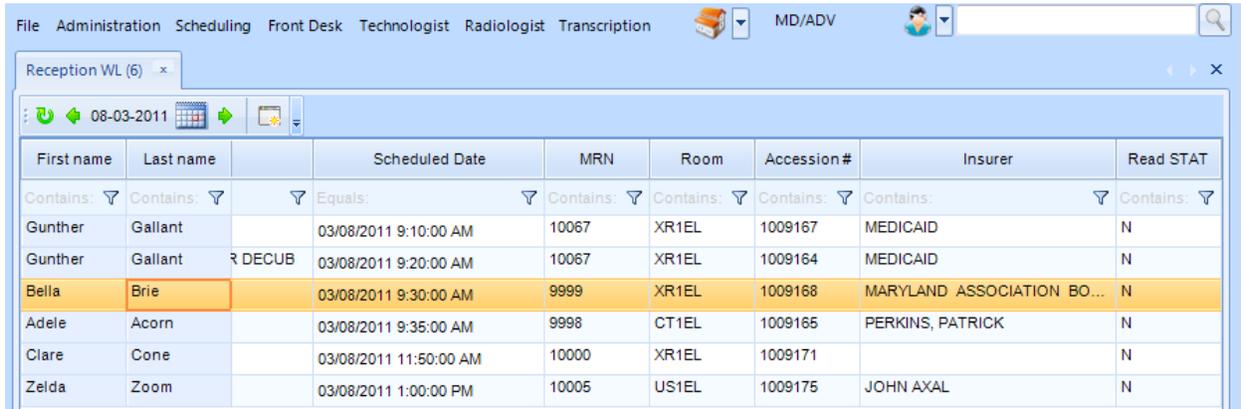
Figure 4.3 – Manage Policies – Injury details with new fields to capture Adjustor info and Unknown Claim Number.

Unknown Claim Number Flag

Some carriers require that a claim number be captured. If the claim number is not known at the time of entering insurance information, the user had no way to proceed. In build 1.18 we have added a check box “Unknown Claim Number” so the work flow can proceed (see Figure 4.3 of this document). Other injury information can be captured, and selecting Unknown Claim Number will allow the user to save Policy and Injury details.

Carrier Information on Registration Work List

Build 1.18 the carrier name will be displayed on the Reception work list listed in a new column for each patient. If the patient does not have carrier information, the column is left blank. If the patient has more than one carrier policy, only the primary carrier will be displayed.



First name	Last name		Scheduled Date	MRN	Room	Accession #	Insurer	Read STAT
Contains: ▾	Contains: ▾	▾	Equals: ▾	Contains: ▾	Contains: ▾	Contains: ▾	Contains: ▾	Contains: ▾
Gunther	Gallant		03/08/2011 9:10:00 AM	10067	XR1EL	1009167	MEDICAID	N
Gunther	Gallant	R DECUB	03/08/2011 9:20:00 AM	10067	XR1EL	1009164	MEDICAID	N
Bella	Brie		03/08/2011 9:30:00 AM	9999	XR1EL	1009168	MARYLAND ASSOCIATION BO...	N
Adele	Acorn		03/08/2011 9:35:00 AM	9998	CT1EL	1009165	PERKINS, PATRICK	N
Clare	Cone		03/08/2011 11:50:00 AM	10000	XR1EL	1009171		N
Zelda	Zoom		03/08/2011 1:00:00 PM	10005	US1EL	1009175	JOHN AXAL	N

Figure 4.4 – Carrier Information displayed on Reception work list.

Insurance Policy Carrier notes popup

Previous to build 1.18 the user had to double click on the carrier to see the Insurance Carrier Notes. New in this build when Insurance Carrier information is added or edited we will now automatically display in a popup message displaying the Carrier notes when one of the following conditions are met.

1. The Carrier has associated notes configured
2. The “Use” check box is selected for that Carrier.

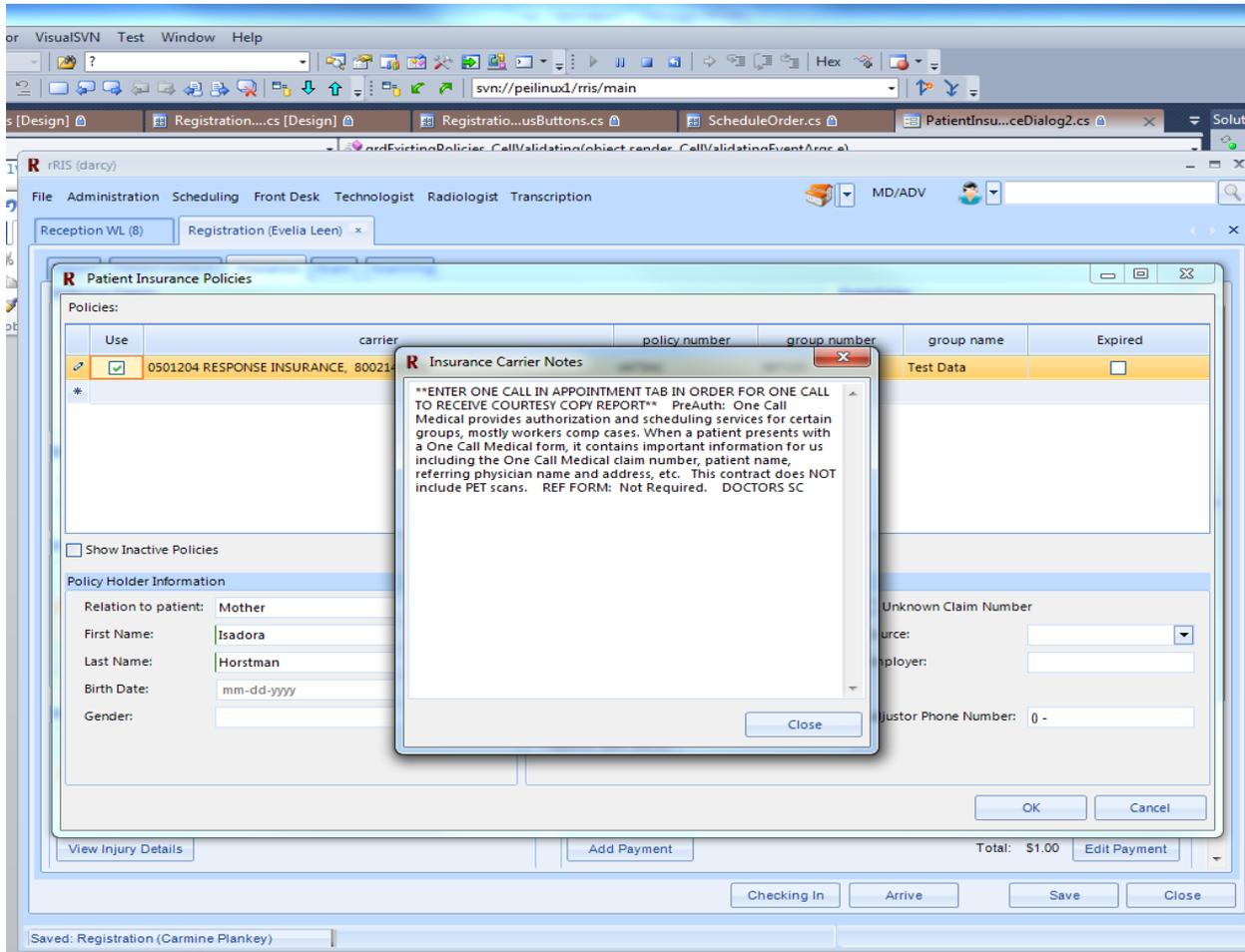


Figure 4.5 – Carrier Notes Popup displays when adding or editing Carrier information

Clone Personnel

Build 1.18 has the added ability to clone personnel allowing an Administrator to copy the settings of an existing user. A drop down list box has been added under the Create New button (see figure 4.6).

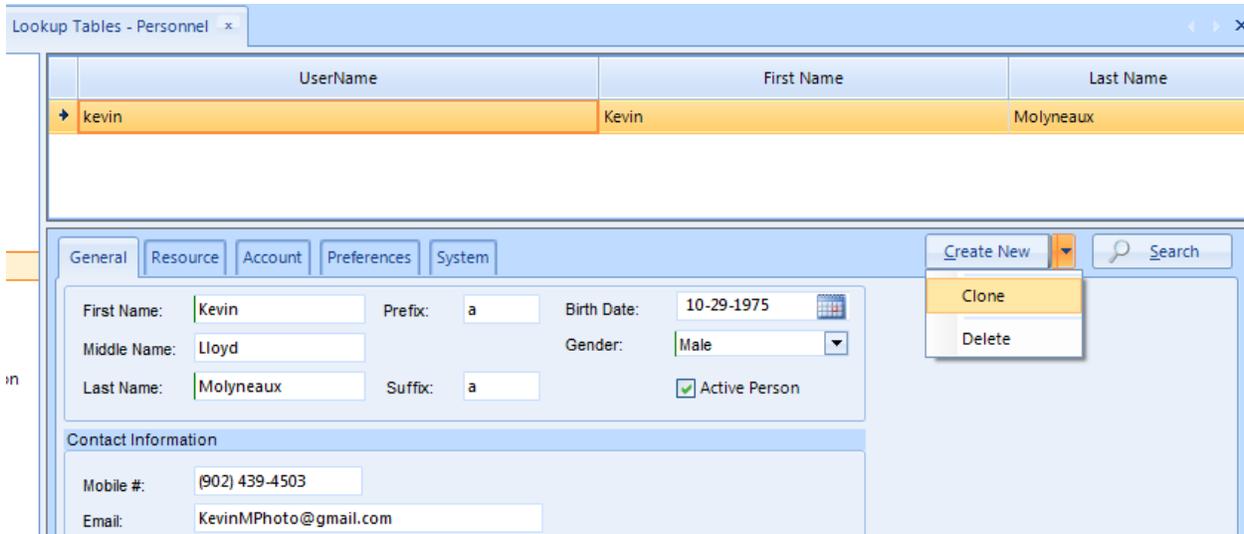


Figure 4.6 – Create New Clone option

Selecting Clone will open a new window where the user can then choose which options they would like to have pre-configured for the new user.

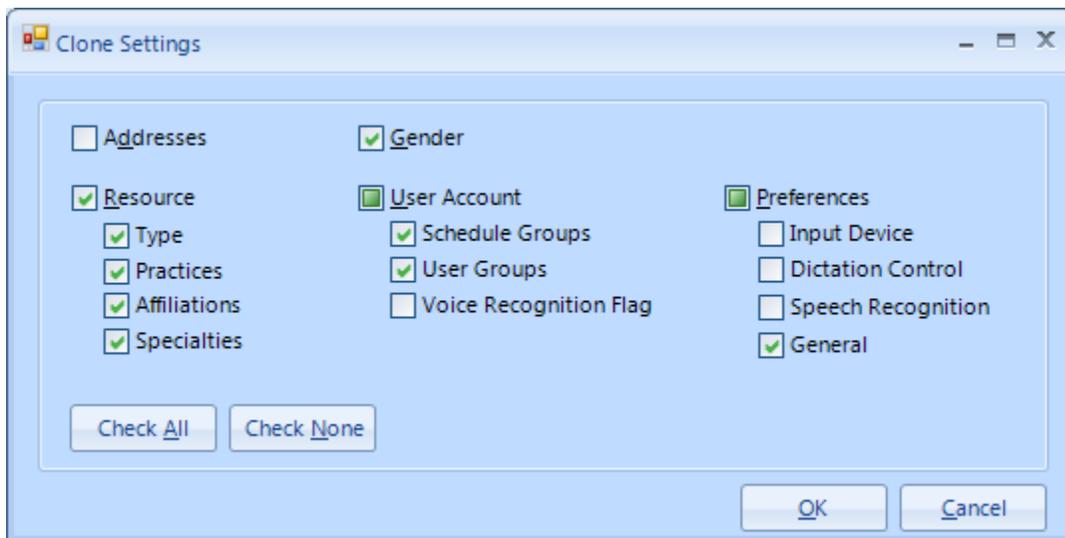


Figure 4.7 – New Clone setting window.

Document Distribution Management

The ability to view and manage document distribution was added to the application in build 1.18. Accessed from the Administration menu - Document Distribution Manager, a new work list will show all documents in an “active” status (jobs that are cancelled or completed will not show in this work list).

The WL is auto refreshed. Buttons to edit, pause and cancel are available for all jobs listed in work list. The retry button is only enabled for jobs **not** in pending status. If a combination of pending and non-pending jobs are selected, the retry button will not be available.

Document distribution key	Interpretation key	Study key	Version	Delivery method	Destination	Status	Retry count	Available datetime	Last exception	Priority	Deliver to	Delivery address	Practice
1	1	22328	1	Fax	(655) 555-6316	Pending	1	03/08/2011 10:57:15 AM		0	Dr Darcy Noye		ADV
2	1	22373	7	Fax	(902) 555-5555	Pending		03/08/2011 10:03:34 AM		0	Ian Power		ADV
3	1	22373	7	Fax	9025555584	Pending		03/08/2011 10:06:25 AM		0	Ian Power		ADV
4	1	15209	7	Fax	(902) 555-5555	Pending		03/08/2011 4:39:33 PM		0	Ian Power		ADV
5	1	22371	5	Fax	9025555548	Hold		03/08/2011 4:41:44 PM		0	Dale Yeo		ADV
6	1	22371	5	Fax	9024875124	Pending		03/08/2011 4:43:01 PM		0	Dr Jerry Pilled		ADV
7	1	22371	5	Fax	8745478547	Pending		03/08/2011 4:43:25 PM		0	WILLIAM MAYER MD		ADV
8	1	22328	1	Fax	9025487547	Pending		03/08/2011 4:44:22 PM		0	Dr Darcy Noye		ADV
9	1	22371	5	Fax	(655) 555-6316	Pending		03/08/2011 4:48:25 PM		0	Dr Darcy Noye		ADV

Figure 4.8 – Document Distribution Work List

The work list allows for multi selection, enabling the user to select a range of jobs for a specific action button. Cancelling jobs will move the jobs status to Cancelled and remove the job from the work list.

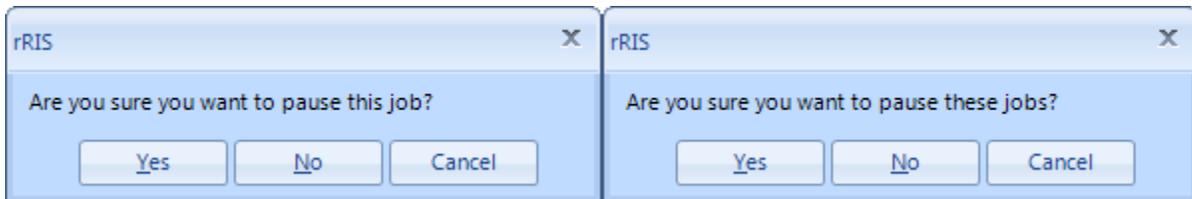


Figure 4.9 – Confirmation message on left for single job. Confirmation message on right for multiple jobs.

The edit job button opens another dialog form with the fields for Recipient, Location and Delivery Method disabled. If the user wants to modify these values they will have to cancel this job and create a new one with the desired Recipients information. The Destination and Priority fields are editable. If multiple jobs are selected that belong to the same recipient, the Destination field will be enabled, otherwise the Destination field will not be editable.

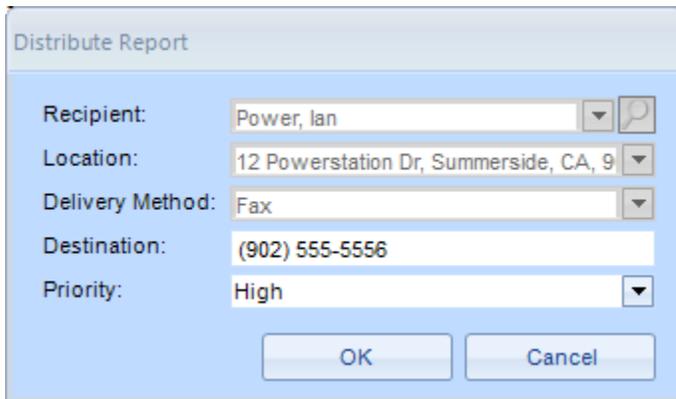


Figure 4.10 – Edit Job popup dialog

In Figure 4.10 you can see that a Location was chosen. This auto-populates the delivery and destination values. If job that has a Location value is edited and the Destination value is changed, the user will be prompted asking if they would like to update fax delivery for this address.

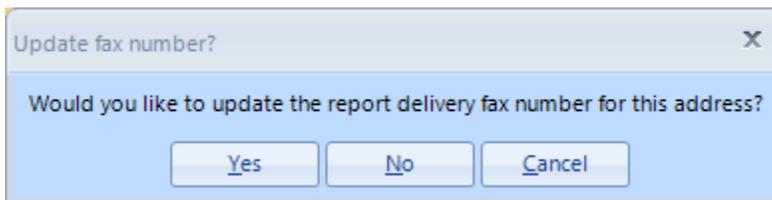


Figure 4.11 – Edit destination information on job that has Location key value.

NPI Required for Radiologists and Referring Physicians.

In build 1.18 the NPI number will now be required for any users created that have Resource Type of Referring Physician or Radiologist checked under the Resource tab. The Resource

Information section of this tab is where you will find the NPI field that is now required.

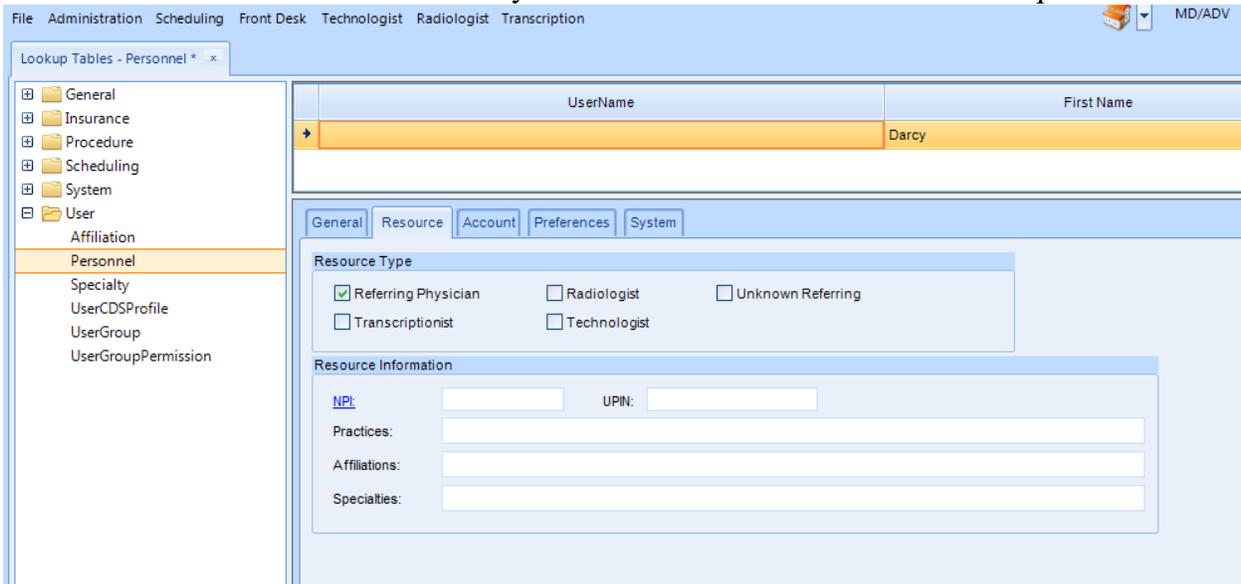


Figure 4.12 – NPI required and NPI hyperlink

For convenience the [NPI:](#) label is hyperlinked to the NPI registry. The First and Last name fields are passed to the NPI site opening a new window with the available results from the criteria searched.

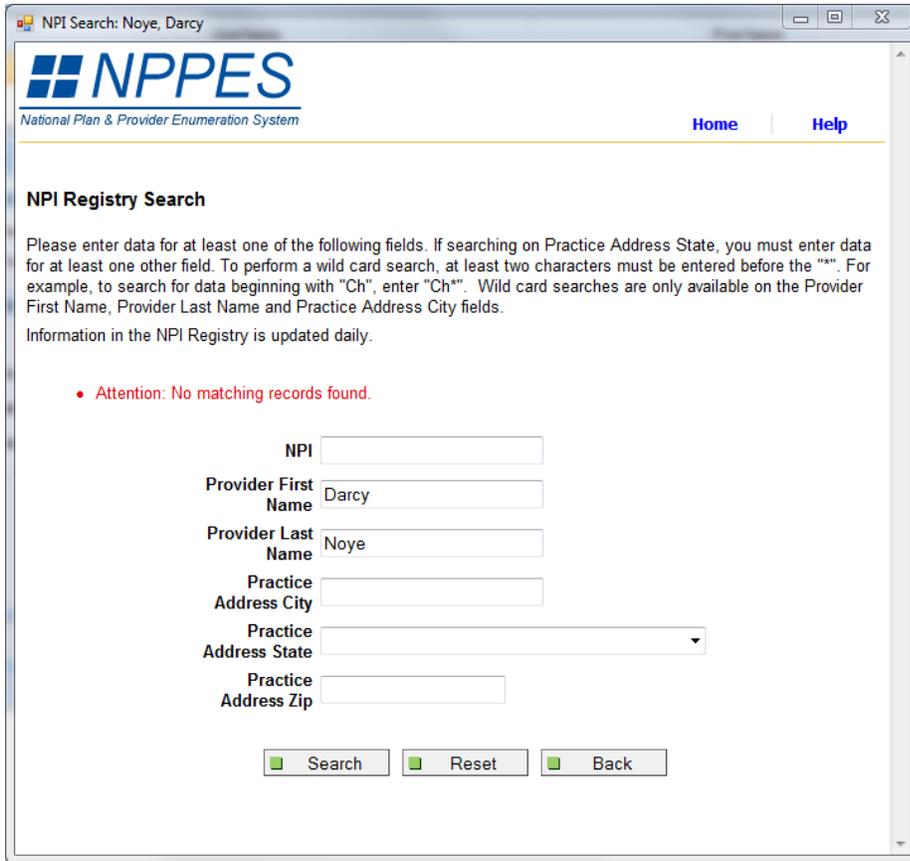


Figure 4.13 – Search window opened from hyperlink

Assign to Radiologist

Build 1.18 has the ability to assign Radiologist to a study. This is achieved by selecting a row or a range of rows from the Exam Done work list and from the right click short cut menu selecting Assign to Radiologist.

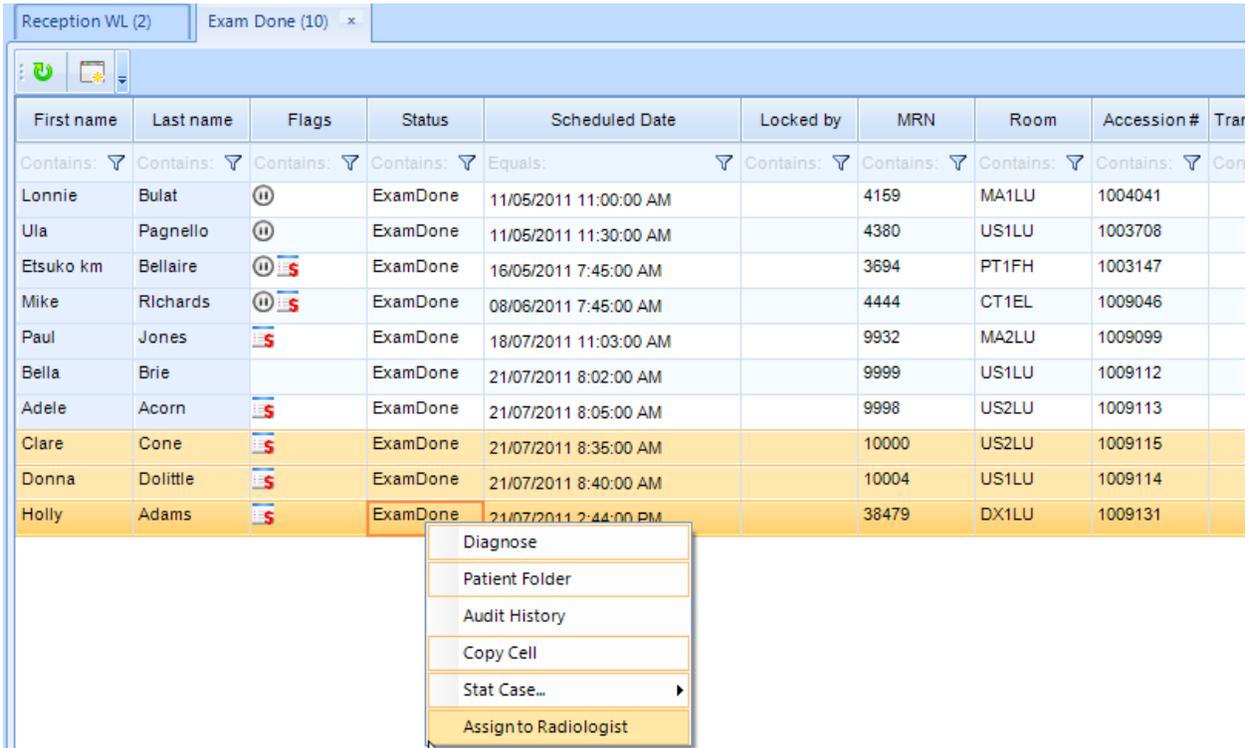


Figure 4.14 – Assign to Radiologist from right click on Exam done work list.

Selecting Assign to Radiologist will spawn a new window displaying the available Radiologists. Note: The list of Radiologists displayed will be filtered by Practice based on the exam selected.

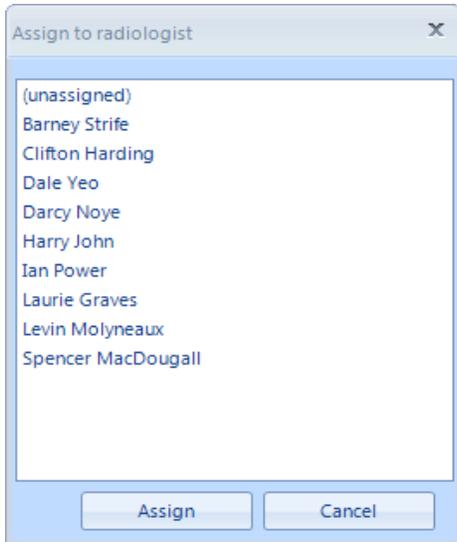


Figure 4.15 – Assign to Radiologist

Audible Sound on Record Dictation Start

A user preference called Beep when ready was added to the Dictation Control tab. This feature will play an audible sound to alert the user as to when the control is ready for recording.

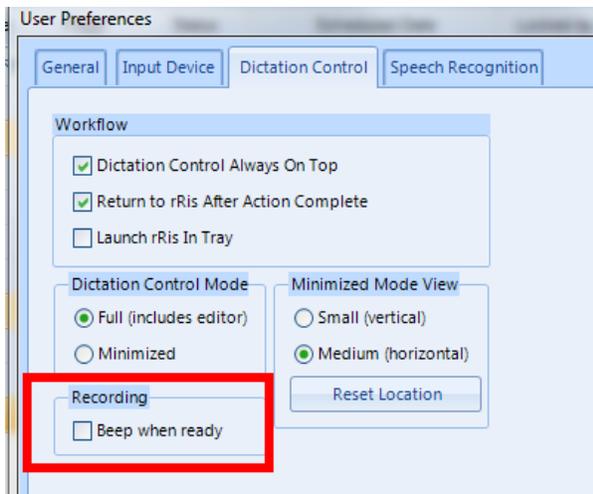


Figure 4.16 – Patient Tab Showing Race Dropdown

Organization Picker

The ability to change between organizations has been built into the application in Build 1.18. A new ICON (looks like an office building) was added to the menu bar. Selecting the arrow next to the ICON will expand to a drop down list enabling the user to change from current site. Expanding the list will display all the Orgs and Sites the current logged in user is configured for. When the selected Org or site changes, work lists will refresh as will the label next to the ICON. The org and site codes of your currently selected Organization and site are displayed to the right of the ICON.

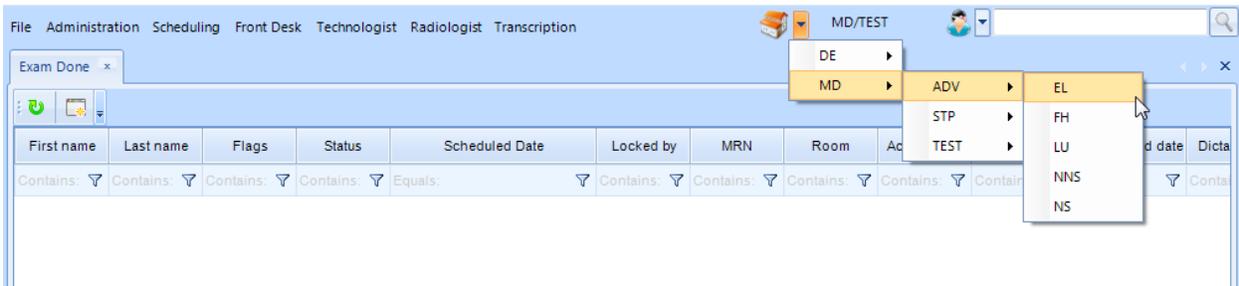


Figure 4.17 – New Organization Picker ICON and visual representation of you current organization.

Sedation Type Added to Work list

Build 1.18 has a column called Sedation added to the Technologist work list. The sedation type will be captured at Reception. The code for Sedation type will be displayed in this column.

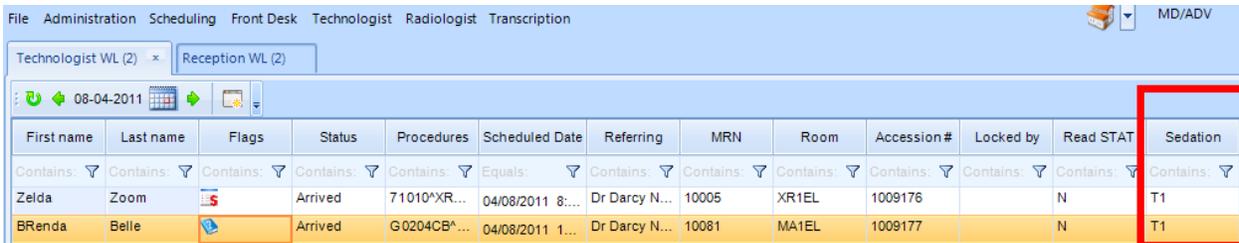


Figure 4.18 – Sedation column added to Technologist work list.

Delivery Location vs Visited Location Cleanup

A change was made for configuring the delivery location of where the report should be sent. Now the user can be configured to have a different “Delivery To” location than the address or fax number listed for contact information. As you can see in the figure 4.19 below the Delivery information can be completely different and separate from the contact information. The delivery information can be specified for each address added for the user.

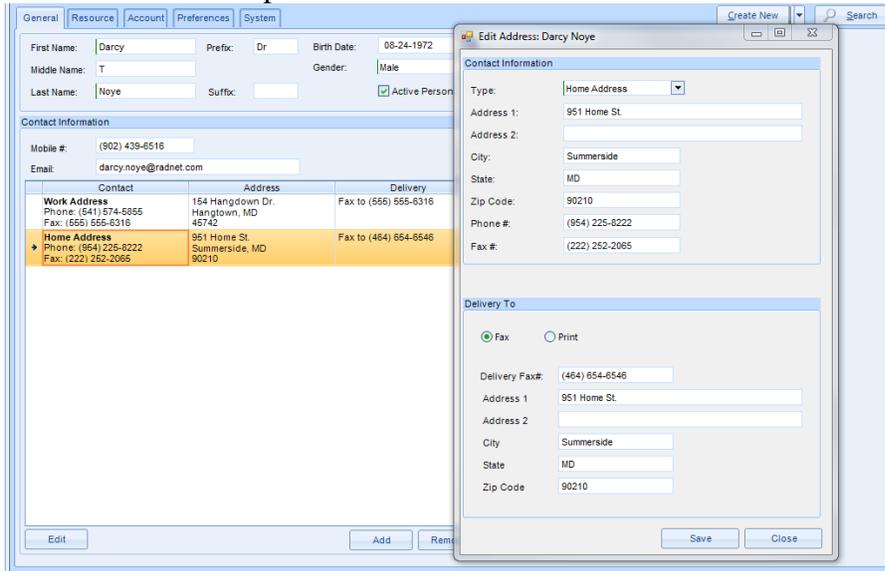


Figure 4.19 – “Delivery To” changes in Add/Edit Address

This is carried over to the Orders tab. The drop down list for Delivery location was removed from this tab. The address selected for “Visited at” will use the Delivery To method configured for that contact information.

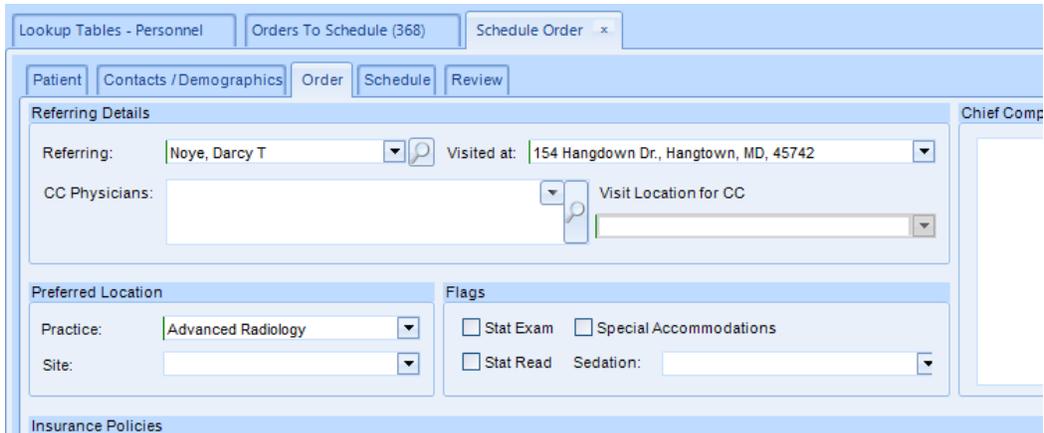


Figure 4.20 – Reorganized order tab

Book X Continued – Arrive Multiple same day orders for patient,

Reception will be prompted with the window displayed below if the patient they selected for registration has multiple orders scheduled for that day within the user’s organization. The window displayed in Figure 4.21 shows all the exams scheduled for Sally Mills for today. The user can select which scheduled orders they would like to arrive with the current one or they can cancel and only arrive the current scheduled order. All orders are selected by default.

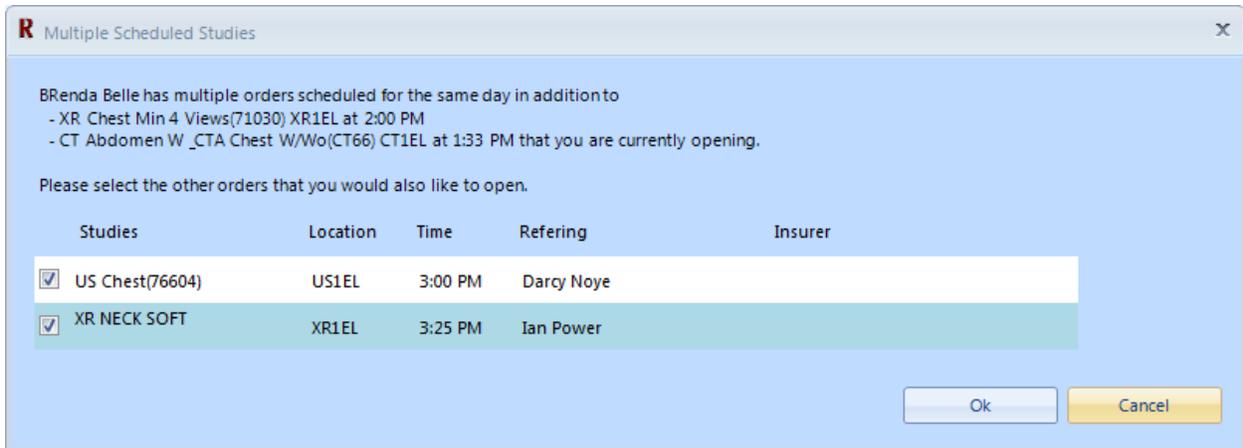


Figure 4.21 – Arriving a patient with multiple scheduled orders will prompt user.

If the user chooses to Arrive more than one, the registration window will open an order tab for each scheduled order.

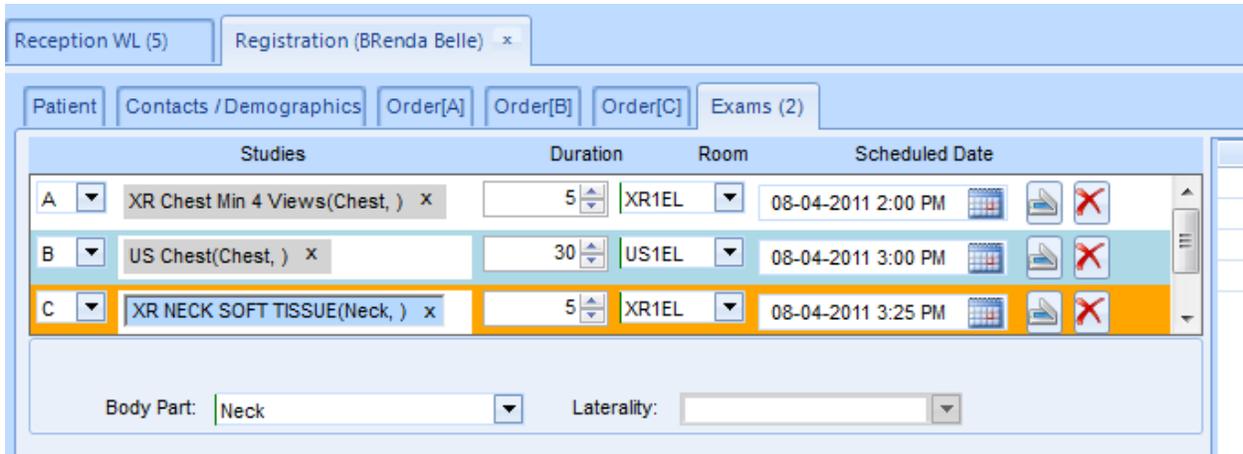


Figure 4.22 – Arriving multiple scheduled orders

Preview for Diagnostic Report

Build 1.18 provides the radiologist and the technologist the ability to preview diagnostic reports. From within the diagnose or create reports windows a new button “Preview” will display a print layout view of the report even when the interpretation is not saved to the DB.

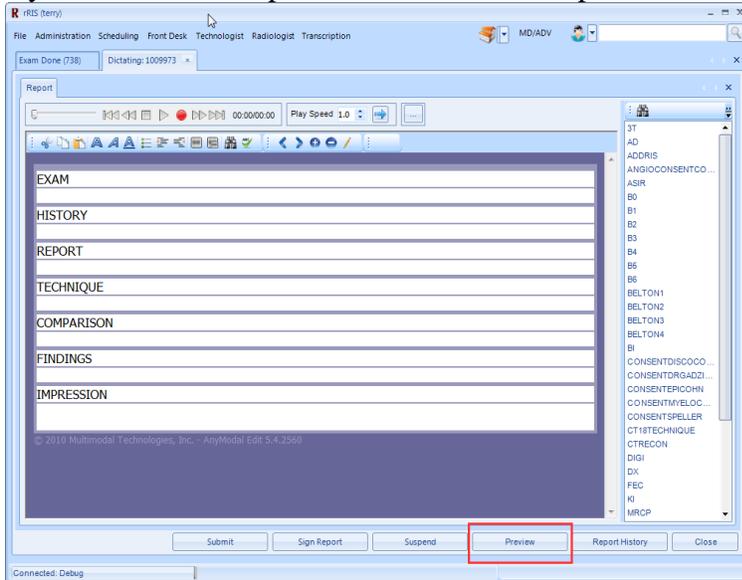


Figure 4.23 – Preview button

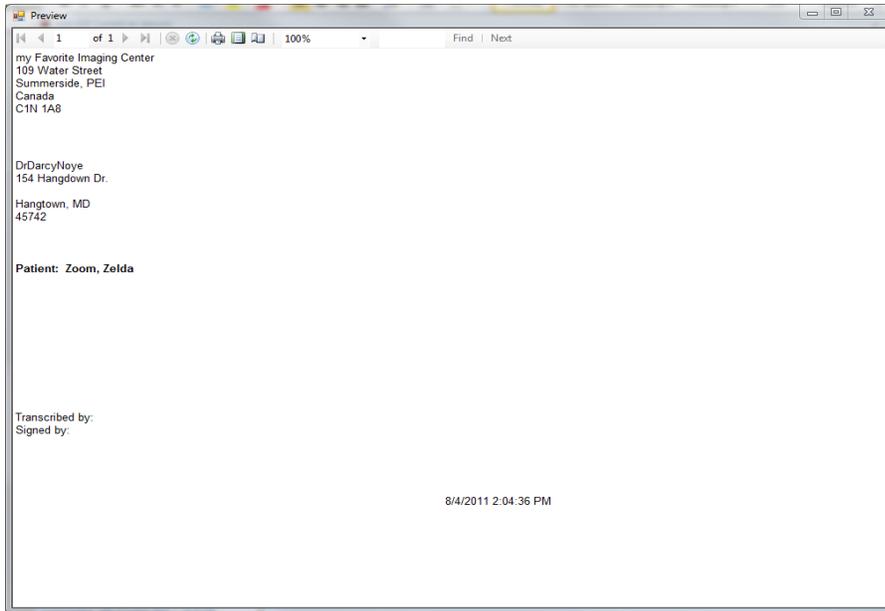


Figure 4.23 – Preview of report

Study Confirmation Work List.

A new work list has been added to verify the currently selected day’s exams have been confirmed. The new work list is opened from under the Scheduling menu.

First name	Last name	Flags	Status	Procedures	Scheduled Date	MRN	Room	Accession#	Exam STAT
er	er		Scheduled	CT13*CT 3 Phase	11/07/2011 8:15:00 AM	11494234	CT1FH	1044910	N
Elizabet	Wainkrantz	\$	Scheduled	78459*PT/CT Myo Imag Perf Study	11/07/2011 10:05:00 AM	2017426	PT1FH	1041754	N
Cherlyn	Rubick	\$	Scheduled	78492*PT/CT Myocardial Multi Study	11/07/2011 10:45:00 AM	2018655	PT1FH	1041755	N
Particia	Silvestro	\$	Scheduled	78492*PT/CT Myocardial Multi Study	11/07/2011 1:00:00 PM	2002285	PT1FH	1041763	N
Echo	Fiscus	\$	Scheduled	78459*PT/CT Myo Imag Perf Study	11/07/2011 1:40:00 PM	2015275	PT1FH	1041753	N
Evelia	Leen	\$	Scheduled	78492*PT/CT Myocardial Multi Study	11/07/2011 2:20:00 PM	2017581	PT1FH	1041761	N

Figure 4.24 – Confirmation Work List.

Selecting a study and hitting the Confirm button will check to see if the patient has multiple studies scheduled for that day. If multiple studies are found, a prompt will display asking which studies are to be confirmed.

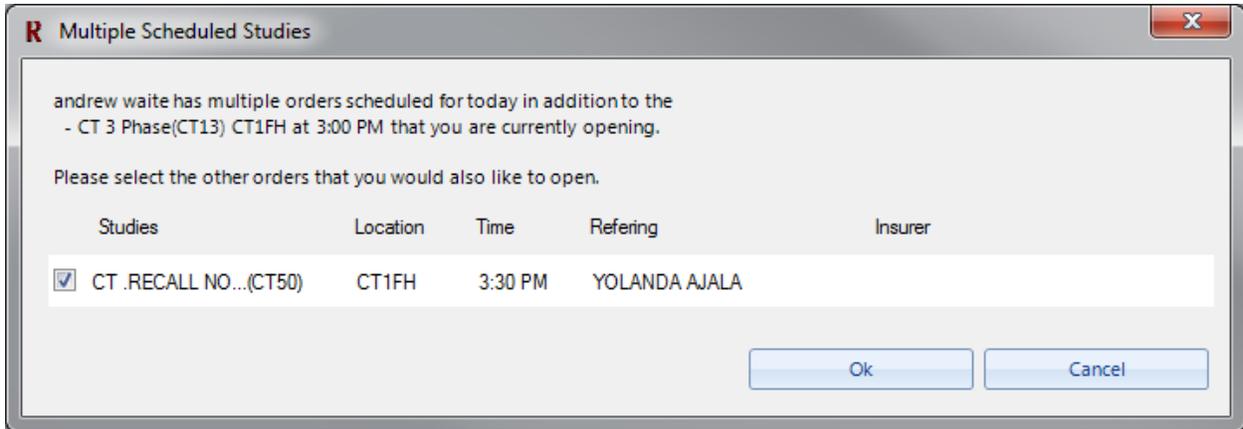


Figure 4.25 – Multiple Scheduled Studies found for today.

Choosing all or none of the extra exams, the user selects Ok on the prompt displayed in Figure 4.25, which will then open the confirmation window. The Confirm window is open to allowing exam or patient data changes. Once the study is confirmed it is removed from the Confirmation work list, but remains in the Reception work list.

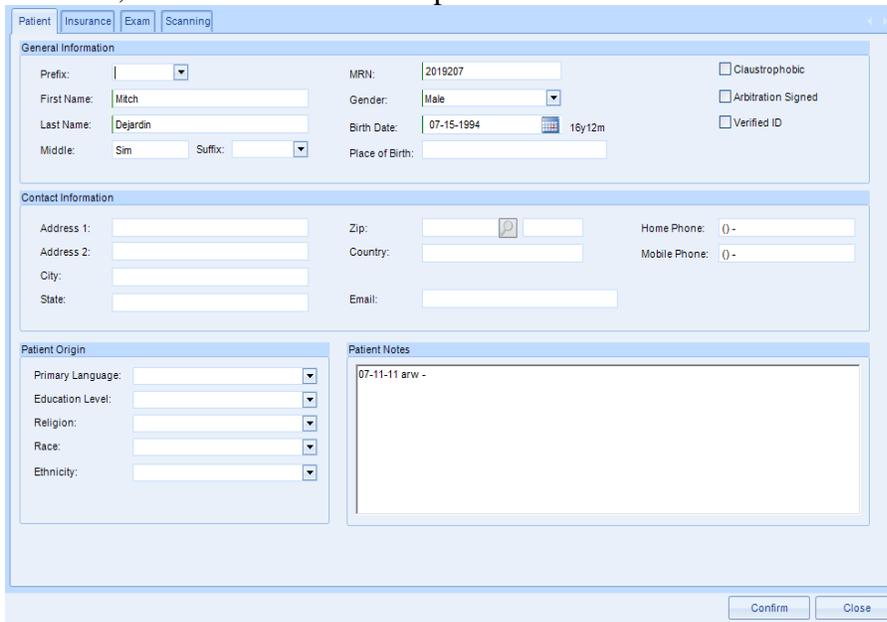


Figure 4.26 – Confirmation window

Ability to Create Unknown Referring Physician

In Build 1.18 a scheduler will have the ability to create an Unknown Referring Physician if their search for a referring physician comes up empty. From within the search window selecting the Create New button will open a scaled back version (by permissions) of the personnel editor. The flag for Unknown Referring is defaulted and cannot be changed at this point. If the visit information is required on Orders tab, the creator of the unknown referring physician will have to make sure this information is added at this time. Upon completion of create the unknown Referrer, the order screen is populated with the new data. The referring name will be appended with (unknown)

Contact	Address	Delivery
---------	---------	----------

Figure 4.27 – Add Unknown Referring Physician

An administrator has access to an Unknown Physician work list. This work list will contain the orders that currently have referrers flagged as unknown. The action from this work list is to edit the orders that have unknown referrers. The administrator can right-click on the physician in the order tab, and can select a new context menu items called “Reconcile Unknown Referring”. A new screen will launch that displays the existing unknown referring data, and has a referring search control built in.

Last name	First name	Gender	Summary	Work Address	Home Address
unk	billy	Gender: F Cell: 2017382			asdf

Search Criteria

First Name: City:

Last Name: Phone #:

NPI:

No data to display

Figure 4.28 – Unknown Physician Reconciliation window.

The administrator can search for a referring. If they find and select one and close the screen, the new physician will replace the original unknown referring, and the unknown referring will be deleted.

If the administrator cannot find a suitable match, they can select an Edit button beside the unknown referring's information. This will launch the personnel editor, and will allow the admin to update this physician to a known physician (by changing the flag), and can add or edit any other data about the referring.

Scanning Documents on Scheduling Screens

Scanning documents for orders, scheduled exams or arriving patients will be controlled via a scan button located in the procedure picker's window study row. Selecting this button will open the Scan Document Viewer window, and then also launch the Scan Document window. At this point the user can choose to scan or import a document. Selecting Cancel on Scan Document window will take the user back to the Scan Document Viewer window where the user can view already scanned documents for this order or select check box to show all documents for patient.

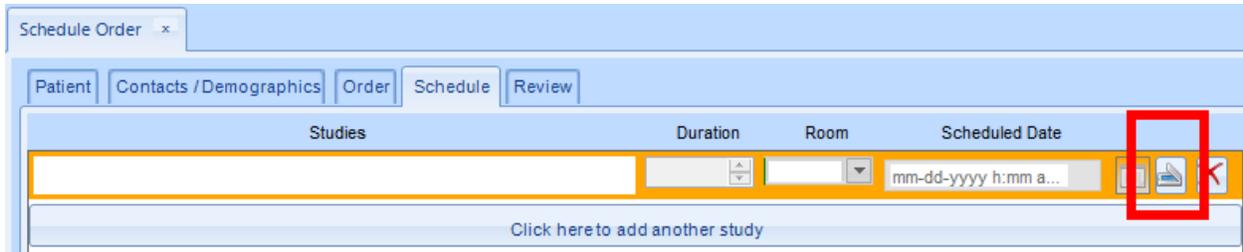


Figure 4.29 – Scan ICON on Schedule tab

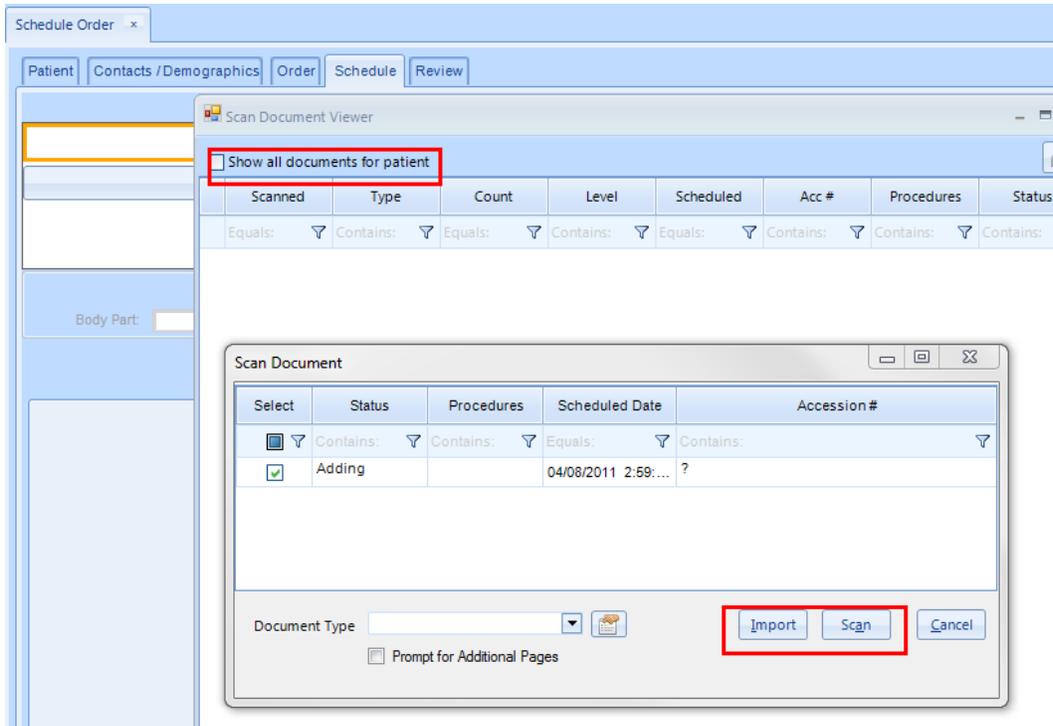


Figure 4.30 – Scan Document View and Scan Document windows.

Note: possible future change. Upon selecting the Scan Document ICON on the schedule tab it opens the Scan Document Viewer window only with focus put on the Scan ICON in this window. This way if the user only wants to view scan documents they are not required to always close the Scan document window. With the focus put on the Scan ICON in the Scan Document Viewer, the user can select Enter on keyboard to launch the Scan Document window to complete or import scans.

5. Known Limitations

Bugs, Suggested Features, and Support Issues are now tracked in a web based system called Redmine. The following is a snapshot of the issues found in Build 1.18.

#	Status	Subject	Category	Target version	% Done	Resolved Version
483	New	Distribute document - error is returned if recipient does not have fax number	Thick Client GUI	1.18	0	
482	New	Enhancements for scanning work flow	Thick Client GUI	1.18	0	
481	New	Carrier notes pop up is displayed when Carrier does not have any notes associated	Thick Client GUI	1.18	0	
480	Resolved	Edit schedule, the room is not retained	Thick Client GUI	1.18	100	1.19
479	Resolved	Scheduling double order will give error from Calendar	Thick Client GUI	1.18	100	1.19
478	Resolved	Scan document work list.	Thick Client GUI	1.18	100	1.19
477	Resolved	Removing Scan doc returns error on save of Perform Exam window	Thick Client GUI	1.18	100	1.19
476	New	Receipt error after abort study by tech and do not want to reschedule	Thick Client GUI	1.18	0	
457	Resolved	user groups are displayed when more than one line of user groups assigned.	Thick Client GUI	1.18	100	1.19