

Spring 2012 Release Items

ART DATA under Cycle Menu

Certain fields were added to meet updated SART requirements for SART Reporting. Updates are as follows:

- Added Prior BioChemical Pregs entry field to Patient History section. (see below)

Patient History

Gravidity: <input type="text" value="1"/>	Prior Full Term (>= 37 wks) Births: <input type="text" value="0"/>	Prior Pre Term (< 37 wks) Births: <input type="text" value="0"/>
Prior Spontaneous Abortions: <input type="text" value="0"/>	Surgical Sterilization: <input type="text" value="Unknown"/>	Data Verified <input type="checkbox"/>
Prior BioChem Pregs: <input type="text" value="0"/>		

- Added CP Date (Cryopreservation Date) to Transfer section on the Sperm and Oocyte Tab. (see below) When previously cryopreserved embryos are thawed and transferred in an IVF cycle, this field will populate with the date of the oldest (earliest) cryopreserved embryo.

Transfer

<input checked="" type="checkbox"/> Transfer Attempted	Transfer Date: <input type="text" value="4/18/2012"/>	CP Date: <input type="text" value="9/26/2009"/>
# of Fresh Embryos to Uterus: <input type="text" value="0"/>	# of Thawed Embryos to Uterus: <input type="text" value="1"/>	

- Added 'Clinic' droplist to SART Cycle Maintenance page. (Red circle). This allows for managing multiple SART clinics in a single site. The droplist only appears when your facility is serving more than 1 clinic location.

SART Cycle Maintenance

Clinic: <input type="text" value="7005"/>	Reporting Year: <input type="text" value="2000"/>	<input type="button" value="Default Year"/>
Criteria for Art Year 2000		
Start: <input type="text" value="4/18/2000"/>	End: <input type="text" value="4/18/2000"/>	NRS: <input type="text"/>
Status: <input type="text"/>	<input type="button" value="Load"/>	

Storing Multiple Embryos

Embryos marked for cryo can now be multi-selected for storage/editing making the process more efficient.

1. To highlight the embryos for multi-selection, hold down the ctrl key while clicking on each embryo that you would like stored. This will highlight the embryos:

Embryo#	Outcome	Emb	Date	Time	Technique	Embryo Grd
1	Cryoed		07/27/2012	6:32 am		
2	Cryoed		07/27/2012	6:32 am		
3	Cryoed		07/27/2012	6:32 am		
4	Cryoed		07/27/2012	6:32 am		
5	Cryoed		07/27/2012	6:32 am		

2. Right click and choose Cryo CheckIn/Edit
3. Click on the magnifying glass to store. It displays Freezer window for you to store embryo:

CheckIn - Specimen Number [2]

Specimen

Source:

Specimen ID:

Origin:

Specimen Type:


Status:

Tech In: Ord By:

Date Frozen: Time Frozen:

Date In: Time In:

Freezer Location

Freezer: 

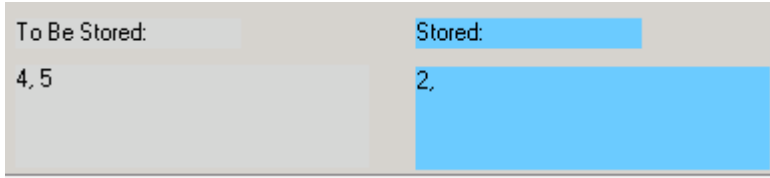
Dewer: Can/Col:

Box/Can: Position:

To Be Stored: 2, 4, 5

Stored:

- Once spot is selected, click **Ok**, you will return to the Check In window.
- Click **Store**. That embryo is now stored. At the bottom of the Check In window the selected embryos are in the 'To Be Stored' section. As they are stored they will display in the 'Stored' section.

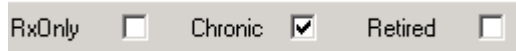


- Repeat the process for each embryo.

Chronic Medications

In the medication definition field a checkbox 'Chronic' has been added to indicate the med is a chronic medication.

- Under Maintenance on the Main REsource Toolbar, scroll to Admin, Cycle Data Maintenance, then select Cycle Medications. This brings up the Medication Maintenance screen.
- Select a medication that requires the 'chronic' criteria by highlighting it.
- Click Edit to display the Medication Definition field. At the bottom of the Medication Definition window, there is a checkbox for 'Chronic'.

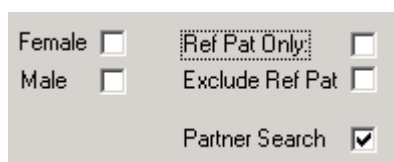


Meds flagged as chronic will follow (to the right of) stim meds in the stim sheet. Chronic med columns will appear with a light blue background for sites that have the stim color option turned ON. (see below)

Status				Avandia	Blood Work				
PROV	Cl By	Cl	Comments	Amt.	X	E2	P4	bHCG	FSH
		<input type="checkbox"/>		5					
		<input type="checkbox"/>		6					
		<input type="checkbox"/>		12					
		<input type="checkbox"/>		0					

Search Options Button

The search options button will display in bold as: **Search Options On** when any search attribute (see below) has been selected.



Medication Amount Fill Down

1. On the stim sheet highlight the numerical value in the column that you wish to copy (the field will turn red when highlighted).

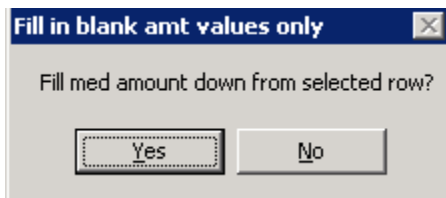
Baby	LDHC
Amt.	Amt.
1	
1	
1	

2. On the stim sheet, single left click on the Amt (amount) heading.

Gonal AM	Gonal PM	Antaç	Baby	LDHC
Amt.	Amt.	Amt.	Amt.	Amt.
			1	
			1	
			1	

These rows will fill '1' for Baby Aspirin

3. A popup window will display. Confirm whether to fill in the medication amounts for all blank amounts in rows subsequent to the currently selected row.



4. The Baby Aspirin column is now filled to the last available blank stim field for this medication.

Gonal AM	Gonal PM	Antaç	Baby	LDHC
Amt.	Amt.	Amt.	Amt.	Amt.
			1	
			1	
			1	
			1	
			1	
			1	
			1	

NOTE: If a medication amount of '0' is in a stim row it will autofill this amount the same as above.

If you have two medication amounts in a particular med column, it will ONLY fill the new med amounts to the next blank row. See example:

LDHC
Amt.
25
30

Only these rows will fill with 25

Result will look like this:

LDHC
Amt.
25
25
25
30

Corrected Tab Order When Creating New Stim Row

New Stim Row

Ultrasound Type:

Lab Order:

Location:

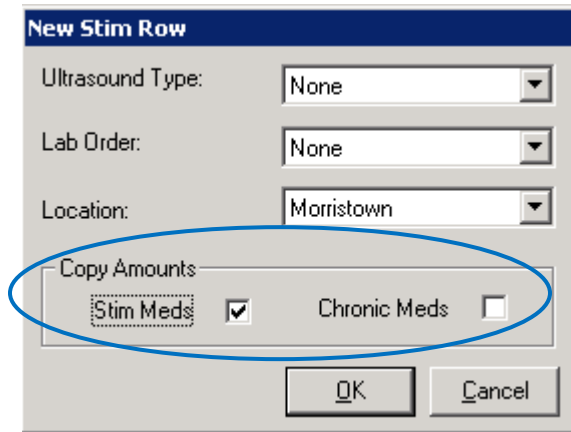
Copy Amounts

Stim Meds Chronic Meds

When entering a new stim row, the order in which the Tab button navigates through the New Stim Window has been corrected. It no longer skips 'Location' and moves in an organized, logical manner through the fields.

Copy Med Amounts on New Stim Row

When entering a new stim row through the 'X' column, there is a checkbox to copy medication amounts to the new stim row. This can also be used for chronic medications as well.



The newly added stim row will mimic the previous stim row:

Follist AM	Follist PM	LDHC	Metfc	Study	
Amt.	Amt.	Amt.	Amt.	Amt.	X
0	10	20	25	2	
0	10	20	25	0	

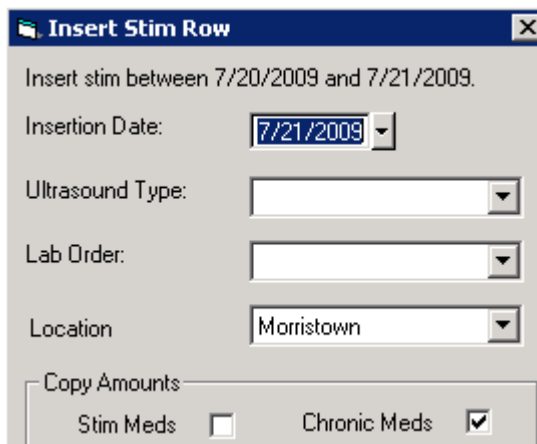
← The newly added stim row

Copy Med Amounts on Insert Stim Dialog

Medications can be added through the INSERT stim row in the same manner. There will be the same checkboxes available for Stim Meds and Chronic Meds. (see below)

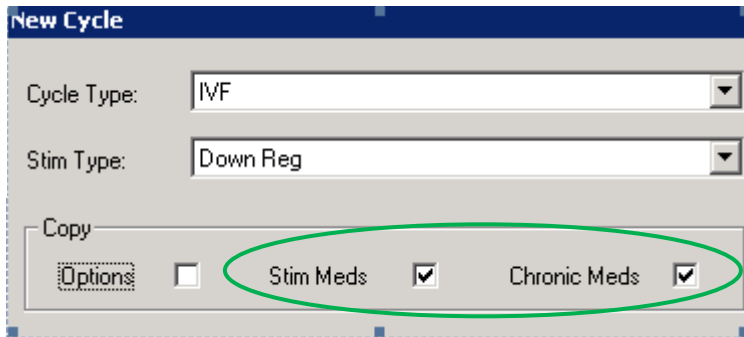
To Insert stim row:

- Select stim row that you would like to insert before/after by highlighting it.
 - Right click to get Stim Row Menu
 - Select Insert Stim before highlighted current row's stim date
- OR**
- Insert Stim row after current row's stim date



Copy Med Amounts when Creating New Cycle

In the 'Copy' section of the New Cycle window is the option to copy stim meds and chronic meds from the previous cycle. Historically, a user could only copy plan options. A user has the option to select Stim meds and Chronic Meds to be copied along with the cycle options as well. (green circle)



The screenshot shows a 'New Cycle' window with the following fields:

- Cycle Type: IVF
- Stim Type: Down Reg
- Copy section with three checkboxes:
 - Options:
 - Stim Meds:
 - Chronic Meds:

A green circle highlights the 'Stim Meds' and 'Chronic Meds' checkboxes.

Loosened Restrictions on Stim Type when Creating New Cycle

Historically, a user could only copy options when the previous cycle was the exact same Cycle Type AND Stim Type. The restriction has been lifted allowing a user the option to copy options, stim meds, and chronic meds regardless of whether the Stim Type matches the one from the previous cycle.

The Cycle Type still has to be the same for the Copy tool to work. If a user selects a different Cycle Type than the previous cycle, RESource will look at the patient record for the most recent cycle that matches the selected cycle type (if one exists) and replicate the options/stim meds/chronic meds of that cycle.

TIP: ONLY Chronic Meds can be copied from previous cycle regardless of cycle and stim type. By default, Chronic Meds checkbox is checked. A user can unselect this option as well.

CI By

Status	CI By	CI	Comments	Avandia
PROV		<input type="checkbox"/>		Amt.
		<input type="checkbox"/>		
	RAM	<input checked="" type="checkbox"/>		
		<input type="checkbox"/>		

When the stim 'CI' column checkbox is checked (red arrow), the 'CI By' (green arrow) column will autopopulate with the current user's initials. Reversely, if the 'CI' box is unchecked, it will remove the current user's initials in the 'CI By' column.

Mail Reminders

FC – Financial Coordinator and PC – Patient Coordinators have been added to lkupMailReminders table for receiving email reminders.

1. Click the checkbox in the column RecipientAssignedPC and/or RecipientAssignedFC for a specific Trigger Value.

lkupMailReminders		Modifications to tables made using this tool may cause behavioral changes in RESource.				
ReminderId	ANDConditions	AuxSwitch	ShowMessageModal	RecipientAssignedPC	RecipientAssignedFC	
1	[NULL]	0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2	CycleType(RE,IVF,StimType)Antagonist,II	0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
3	[NULL]	0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4	6	0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

2. Check that the user's email is entered in the RESource User Account through the User Manager:

RESource User Account <radmin, RES>

User Information

First Name: RES User Name: resadmin
Middle Initial: Initials: RAM
Last Name: radmin Password: *****
Email Address: resadmin@med-softwa Location: Morristown

3. Check that the PC and FC are assigned to the patient through the Patient Details window:

Patient: <Deers, Sally G> Patient Id: <7253> XId: <>

General

SSN: 332-64-4725 Last: Deers First: Sally MI: G Name Chg
DOB: 02/04/1964 Prov: ABC Copperr NRS: FC: BAW
Gender: Female Male PC: BEB
Type: Ref Pat: Donor: Infert Pt: External ID

Retired Stim Types

Stim Types can now be retired to reduce the clutter in the dropdown selection list. A column has been added to the lkupstimtypes to execute this.

ETh

Endometrial Thickness (ETh) measurement in the stim sheet now has decimal precision. Example: 10.6 not to round up and 10.2 not to round down.

Stim reports

User's can print USS Stim reports from the Stim Row popup menu:

1. Select stim row with the ultrasound results that you would like to print by highlighting it.
2. Right click to get Stim Row Menu.
3. Selecting Ultrasound Report will display the document for printing.

Stim Location	
Stim Lock	
Ultrasound Values	Alt+U
Ultrasound Measures	Alt+M
Ultrasound Report	
View Instructions	
Correspondence History	

FYI :

The Ultrasound Report is derived from Global Templates: Stim Ultrasound and Preg Ultrasound. These are located in the Default Template Editor. Scroll to:

1. Maintenance on the main REsource Toolbar
2. Admin
3. Default Template Editor
4. Folder Global Template Folder
5. Prog Note Folder
6. Stim/Preg Ultrasound templates are located here

Rh Factor

When a patient has a negative Rh factor the PREG event on a patient's stim will be colorized in pink.

Day Info		Planned		
Day	Date	Event	Lab	Proc.
-20	03/16/2000			
-18	03/18/2000	Mns	SU B	Start
-2	04/03/2000	Rev		
3	04/08/2000	Dhit		Gnd
+2	04/10/2000			
+4	04/12/2000		B	
+8	04/16/2000	Preg		
+11	04/19/2000			
+13	04/21/2000			
+14	04/22/2000			

When a patient has a positive Rh factor the PREG event on a patient's stim will be colorized in green.

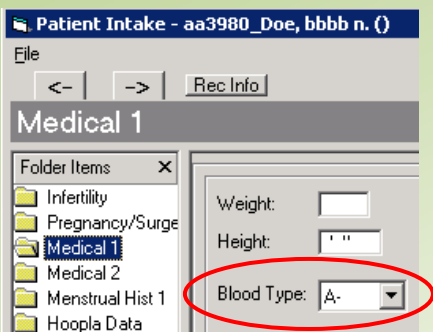
+1	05/18/2000			IUI	✓
+2	05/19/2000			IUI	✓
+5	05/22/2000		B		
+16	06/02/2000	Preg	B		
+18	06/04/2000		B		

When a patient's blood type and Rh factor are not entered, the PREG event on a patient's stim will be BOLD black.

+5	01/30/2001			ET
+8	02/02/2001		B	
-12	02/06/2001		B	
-15	02/09/2001	Preg	B	
-17	02/11/2001		B	

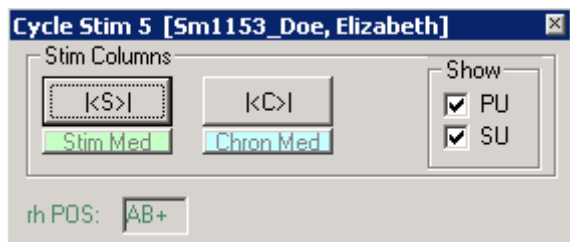
FYI

The patient blood type must be entered in the Intake under Patient on the main toolbar. It is located in folder Medical 1 in the Intake Editor window.



Stim Dashboard

This allows a user to expand or condense columns that display on the stim sheet for viewing. Under Cycle under the main toolbar, scroll to Stim View, select Dashboard. The Stim Dashboard will remain in view and can be moved around your screen to your preference. To close the dashboard click the 'x' in the upper right hand corner of the dashboard display window.



Navigating the Dashboard

Blood

This displays the blood type of the patient which is entered in the PIntake screen under Medical 1. If a patient has a negative Rh Factor, the blood type will be colorized in red.



Expand/Condense Buttons for Stim Med (Stim medication)/ Chron Med (Chronic medication)

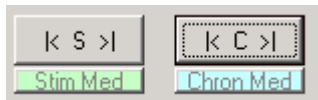
This allows a user to minimize or maximize the med columns in the Stim. Stim Med button and the Chronic Med button work independently of each other. A user can have different display settings selected for Stim Med from Chronic Med, if they choose. Continuously click on these buttons to navigate through the three different displays of the Med columns:



This view will eliminate the Stim Med/Chronic Med columns completely from view.



This view will display the Stim Med/Chronic Med columns with only the Amt column displaying for each med in the stim sheet.



This view will display the Stim Med/Chronic Med columns with the columns Amt, Unit, Inter (interval), and Route for each med in the stim sheet.

REMEMBER: The Stim Med and Chron Med buttons work independently of each other allowing a user to have more versatility in the stim sheet display.

Highlighted Med Names

A user will know that the patient has stim med/chronics meds even if they are selected not to display in the stim sheet by the highlighted boxes. The highlighted boxes indicates that there is Stim Med and/or Chron Med present in this patient's cycle.



Example of both meds highlighted. In this cycle, the patient has both stim medication and chronic medication.



Example of one (Stim Med) highlighted. In this cycle, the patient does not have any chronic medication.

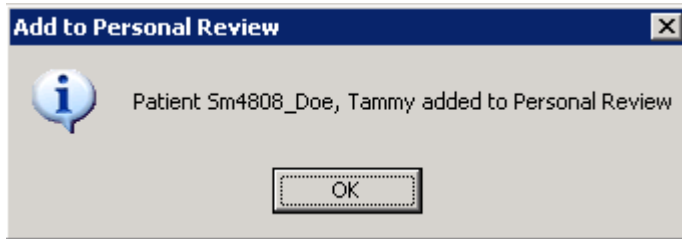
Pregnancy Ultrasound/ Stim Ultrasound

There are checkboxes for pregnancy ultrasound (PU) and stim ultrasound (SU). Checking the box will display that particular ultrasound type. Unchecking the box will remove that ultrasound type from view.

Show
 PU
 SU

Global and Personal Review

A new Message popup 'OK box' for Global and Personal review to confirm selected patient is in the review list.



Task Manager

Added a 'Start Date' feature to the Task Manager that allows users to schedule and filter tasks for dates in the future (greater than today). The date represents when a user should start to review/execute a task before it is due.

Creating a Task

New field 'Start Date' has been added when creating a task.

A screenshot of the "Add/Edit Task" form. It is divided into three sections: "Object Info", "Task", and "Assignment".
- "Object Info": "Patient:" field contains "Sm4808_Doe, Tammy". "Object Type:" dropdown is set to "Patient".
- "Task": "Task Type:" dropdown is empty. "Instruction:" dropdown is empty. "Start Date:" dropdown is set to "7/21/2012" and is circled in red. "Due Date:" dropdown is empty.
- "Assignment": "Assigned By:" dropdown is set to "RAM". "Assigned To:" dropdown is empty.

Managing Tasks

New date picker field 'Start' has been added in Task Manager.

Assigned By: Assigned To Grp: Since: Completed
Assigned To: Task Types: Start: Outstanding Over Due ><

Task Type	Task	Delegate	Object	AsgnGrp	AsgnUGrp	AsgndTo	Asgnd	Start	Due	Complete	CompBy	Cor
Review Blood Comps		RAM	Patient			QA1	07/21/12	07/20/12				
Review Blood Comps		RAM	Patient			RAM	07/18/12	07/20/12				
Wash My Car		RAM	Patient			RAM	07/21/12	07/10/12	07/24/12			

- Entering a Start date will show all tasks from that date and earlier (circled in red above).
- By default, the start column is not in view when you open the task manager. There is a <> button that expands the view to show the 'Start' Column. (green arrow above).
- Leaving 'Start' field blank will pull all tasks without a Start and all tasks with a Start date from today's date and earlier. Notice below, tasks without start dates (highlighted see below) are now in view when the Start date is left blank.

Assigned By: Assigned To Grp: Since: Completed
Assigned To: Task Types: Start: Outstanding Over Due

Task Type	Task	Delegate	Object	AsgnGrp	AsgnUGrp	AsgndTo	Asgnd	Start	Due	Complete	Comp
Schedule Follow up		RAM	General			RAM	07/16/12	[NULL]	07/17/12		
Review Blood Comps	Redo Lab	RAM	General			QA1	07/16/12	[NULL]	07/17/12		
Review Blood Comps		RAM	Patient			RAM	07/18/12	07/20/12			
Review Blood Comps		RAM	Patient			RAM	07/21/12	07/21/12	07/23/12		
Wash My Car		RAM	Patient			RAM	07/21/12	07/10/12	07/24/12		

NOTE: If the date entered is greater than today's date (a future date), they will not be included in your popup reminder when logging into RESource. Please see below. This allows a user to schedule future tasks without having them included in the count of outstanding tasks for the present day.

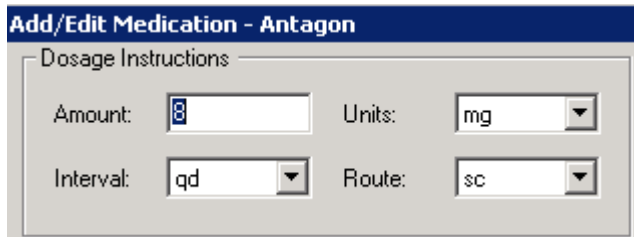
Reminders

Reminder

TASKS: You have [1] outstanding task(s) assigned to you.

Medication Change

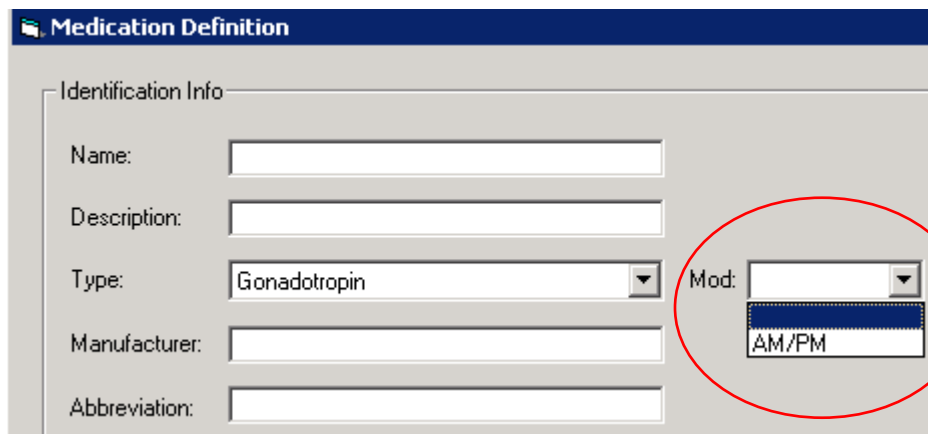
Updated medication changes in the stim to include columns Unit, Rte, Interval (see pic below). So, when a value entered in any column for a stim medication is changed from original value, the value will turn red in the stim sheet.



The screenshot shows a dialog box titled "Add/Edit Medication - Antagon". Under the "Dosage Instructions" section, there are four input fields: "Amount" with a numeric value of 8, "Units" set to "mg", "Interval" set to "qd", and "Route" set to "sc".

Single Dose Gonadotropin

New selection drop down list titled 'Mod' was added (circled below) to facilitate the need for gonadotropin meds that do not have AM/PM administration. Choosing the 'blank' (highlighted in blue) selection in this drop down, allows this medication to show up as a single administration.



The screenshot shows the "Medication Definition" form. The "Mod" dropdown menu is circled in red. The dropdown list is open, showing a blue highlight on the blank selection and "AM/PM" below it.

IVF Summary Report

IVF Summary Report has been updated to separate D5 and D6 values (see below). Historically, these were combined as one cumulative total. IVF summary report is located under Reports on the main toolbar, and scroll to Embryology.

Blastocyst	D5	D6
Hatching:	0	0
Expanded:	0	2
Cavitating:	2	1
Morula:	0	1
Arrest	0	1

Total #ICSI and Total #Conv

In the Insemination window located in the Male Analysis Tab (lab retrieval/fertilization info under the patient), Total #ICSI and Total #Conv fields have been added (see below). A user can enter more details on the plan for inseminated eggs.

The screenshot shows the 'Insemination' window with the following fields and values:

Insem Performed	<input checked="" type="checkbox"/>
Insem	
Embryologist:	DS
Witness:	
Insemination Date:	7/21/2012
Insemination Time:	6:33 AM
Concentration:	129
# Eggs:	0
# ICSI:	0
# Conv:	0

Stim Comment Field Size Increased

4 additional lines were added to the Stim Comments field in the Stim to allow users more space for templates and text.

Ultrasound Data Added to Patient Instructions

Ultrasound information has been added to the instructions in a patient's stim. To view, while cursor is in the stim area, right click to get menu and select 'View Instructions'. This is useful when a patient selects the option to have their instructions emailed. She will now have a detailed report of the ultrasound performed that day.

Stim lines that contain lab orders, comments, ultrasound, or image data will no longer be allowed for removal. If this is attempted, the user will get a pop up window with reason (see below)

The dialog box contains the following text:

Delete Stim Row DATA LOSS WARNING!!!

!!! This stim has associated data: Stim USS, Lab Order

You must first delete the associated data before the Stim item can be deleted.

Operation Cancelled for Stim item dated 8/11/2000?

OK

TIP: The top line of the DATA LOSS WARNING points to what data that is currently in the stim which is not allowing the line to delete. In this particular example, this stim line has Stim USS and Lab Order data present.

Prescriptions

The Pharmacy field and Transport field has become an editable field after the prescription has been reviewed and locked. Historically, this field was unable to be changed once locked. This allows users to change pharmacy location with ease regardless of 'Lock' status (see pic below).

Id	Rx Type	Med Type	Med	Unit Dosage	Unit	# Units	Unit Pkg	Sig
6	Medication	ChemoTx	Methotrexate	6	mg	4	Vials	One tablet a day
4	Medication	ChemoTx	Methotrexate	5	mg	2	Bottles	One tablet a day
2	Medication	ChemoTx	Methotrexate	5	mg	2	Bottles	One tablet a day
1	Medication	Gonadotropin	Fertinex	2.5	amps	1	Tube	
5	Medication	Gonadotropin	Gonal/F	67	amps	2	Vials	Use as directed
3	Medication	Gonadotropin	Gonal/F	67	amps	2	Vials	Use as directed

Prov:

NRS:

Pharmacy:

Transport:

Urgent:

Fill By:

Lock:

Save As Template

Message:

Approval

Sign Off

Resting Follicles

In the USS Data for measurements, the Resting Follicles will now autopopulate with the values entered in the '10' column of the USS counts. In example below, the stim ultrasound 10 column counts 5 Right Ovary and 3 Left Ovary. The Resting Follicles reflect the same values.

Stim Ultrasound - R					Stim Ultrasound - L						
10	13	15	17	19	20	10	13	15	17	19	20
5						3					

Rt. Ovary

Dimensions

L: W: AP:

Resting Follicles: Ovarian Volume:

Lt. Ovary

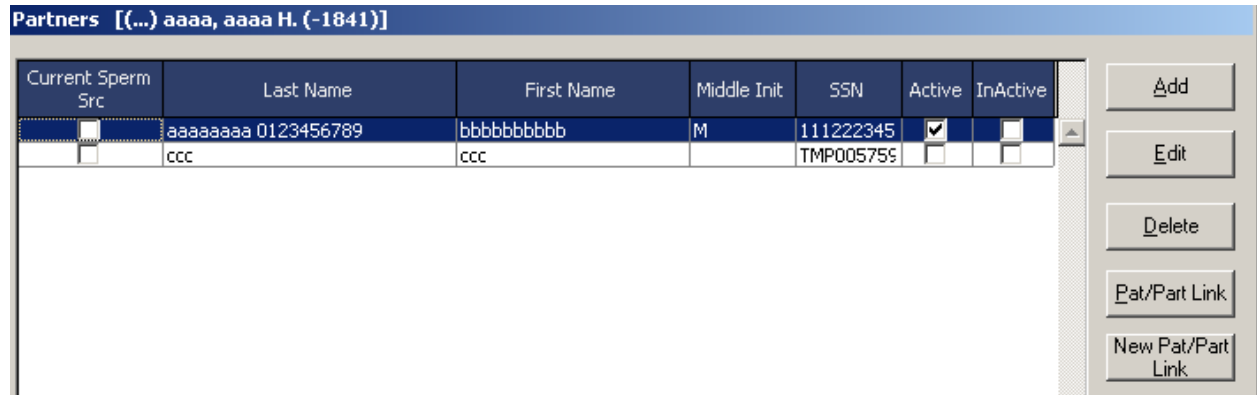
Dimensions

L: W: AP:

Resting Follicles: Ovarian Volume:

Partner Links

Changed titles of buttons on Partner Screen to reflect more accurate definition:



- Patient Link was changed **Pat/Partner Link** to better define creating a partner link to an existing patient.
- New Patient Link was changed to **New Pat/Part Link** to better define creating a new patient record as well as a partner link to a patient.
- Also added a comment to define the actions of the buttons. Hovering over the button will display a popup with a descriptive comment.

Hot Keys (Shortcuts)

New Hot Keys have been added for user convenience:

- Ctrl Shift D opens the Stim Dashboard (details of this tool will be described later)
- Ctrl H: Simultaneously hitting Ctrl and the letter H will display the Progress Note History screen.
- Ctrl D: Simultaneously hitting Ctrl and the letter D can now be used to insert the current date into a progress note. This function can also be accessed via the right-click pop-up menu; select Insert Date.

NOTE: Be sure to be in the message area of the progress note when executing the hot key or the right-click pop-up menu.