

ProSolv

Cardiovascular Analyzer 3.0

Instructions for Report Writing

Report Writing Quick Reference

- **"Select Report"** from toolbar.
- **"Select"** the report you wish to work with
- Select **"OK"** - The report will load and allow you to view or edit the contents.
- **Type** in new information or **Change** any text area or field on the report.
- **Right Click** in an open text area to add a comment from the dictation tree.
- **Search** through the dictation tree until you find a statement you wish to add to the report.
- **Click** on the statement and it will be added to the report.
- When finished editing report - Select **"Report"** and then **"Save"** or **"Save & Finalize"**.
- A **"Save Report"** screen will appear. Click once on **Save**.
- To electronically sign your report **"Enter Your Password"** and then click on the **"OK"**
- **Close the Report** and the report is Finished.



1. Begin by double-clicking the ProSolv Icon “**ProSolv CardioVascular Analyzer 3.0**”



2. When prompted, enter your user name and password.

- **User Name** will be your three initials in lower case.
- **Password** will be the same as your user name.
(passwords are case sensitive – use lower case only)

Then single-click on “**Login**” button

A screenshot of the "User Login" dialog box. It has a blue title bar with the text "User Login" and a close button. The dialog contains three input fields: "Database:" with a dropdown menu showing "SonoNet-InOffice", "User Name:" with the text "mancina", and "Password:" with a masked input field. Below these fields is a "Login" button.

3. The Select Patient screen should appear.

If this screen does not appear, click once on the  on the toolbar.

A screenshot of the "Select Patient" dialog box. It has a blue title bar with the text "Select Patient" and a close button. The dialog contains several input fields and checkboxes. On the left, there are buttons for "Search", "Load Patient", "Add Patient", "Edit Patient", "Cancel", "DICOM QR", "Merge Patient", and "Column Selection". The main area contains a "Patient List" table with columns: Patient Name, Exam Date, Sonograph, Exam Type, EXAM_LOC, READER, MRN, and OR. The table is currently empty. Above the table, there are checkboxes for "Today's Studies Only", "Unread Studies Only", "Prelim Studies Only", and "Load Latest Study".

Select Patient

Last Name: MRN: Exam Type: ☐ Today's Studies Only

First Name: SSN: Referring Physician: Date From: To:

Reading Doctor: Exam Location: Sonographer: ☒ Unread Studies Only

☐ Prelim Studies Only ☐ Load Latest Study

Patient List (** indicates patient has unread study, ## indicates patient has prelim study, !!! indicates the study is being read)

Patient Name	Exam Date	Sonograph	Exam Type	EXAM_LOC	READER	MRN	OR
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Search Load Patient Add Patient Edit Patient Cancel DICOM QR Merge Patient Column Selection

4. Click the drop down menu and select your **Reading ID** – Example “Mancina”

5. Click the “**Unread Studies Only**” – Option

This will bring back a list of unread studies assigned to your Reading ID

6. Click on the “**Search**” button to display a list of patients currently loaded into the computer.

(The screen should now list several patient files)

Select Patient

Last Name: MRN: Exam Type: ☐ Today's Studies Only

First Name: SSN: Referring Physician: Date From: To:

Reading Doctor: Exam Location: Sonographer: ☒ Unread Studies Only

☐ Prelim Studies Only ☐ Load Latest Study

Patient List (** indicates patient has unread study, ## indicates patient has prelim study, !!! indicates the study is being read)

Patient Name	Exam Date	Sonograph	Exam Type	EXAM_LOC	READER	MRN	OR
##DOURTY, DONALD	/15/2008 16:31	Mulberry, M	Carotid Duplex	1110CMG		495200701	
##KINDRED, LOU	/15/2008 16:26	Phillips, MH	Stress Echo	1003BOU		497269885	
##LOWTHER, JOHNNIE	/15/2008 15:33	Mulberry, M	Carotid Duplex	1110CMG		497348503	
##MURRAY, AMY	/15/2008 15:33	Phillips, MH	Stress Echo	1003BOU		489943057	
##WILEY, ALLEN	/15/2008 15:13	Handley, H	Echo/Doppler	1091PLA		511728186	
##BACH, MARCIA	/15/2008 14:49	Molitor, RC	Echo/Doppler	5006WEL		524448689	
##BRADSHAW, LELAND	/15/2008 14:45	Phillips, MH	Echo/Doppler	1003BOU		487407408	
##STUMBO, BETTY	/15/2008 14:41	Mulberry, M	Carotid Duplex	1110CMG		495203060	
##CALLAHAN, PAUL	/15/2008 14:40	Jepson, RI	LE Venous Bilatera	1066FPH		494721112	
##SMITH, JANET	/15/2008 14:39	Handley, H	Carotid Duplex	1091PLA		515469934	
##MILLER, ROGER	/15/2008 14:22	Lynchard, J	Ankle-Brachial Inde	5014MES		526421870	
##SOLOMONT, ANNE	/15/2008 14:17	Robertson, J	Echo/Doppler	1090MOO		512140248	
##STINE, GENE	/15/2008 14:10	Mulberry, M	Ankle-Brachial Inde	1110CMG		512488677	
##VINSON, ARLONE	/15/2008 14:09	Phillips, MH	Echo/Doppler	1003BOU		493466740	
##ANDERSON, BEULAH	/15/2008 13:49	Farris, MH	Echo/Doppler	1014INZ		511200792	

Search Load Patient Add Patient Edit Patient Cancel DICOM QR Merge Patient Column Selection

Select Patient

Last Name: MRN: Exam Type:

First Name: SSN: Referring Physician:

Reading Doctor: Exam Location: Sonographer:

☐ Today's Studies Only
☐ Date From: To:
☒ Unread Studies Only
☐ Prelim Studies Only
☐ Load Latest Study

Patient List (* indicates patient has unread study, ## indicates patient has prelim study, !!! indicates the study is being read)

Search	Patient Name	Exam Date	Sonograph	Exam Type	EXAM_LOC	READER	MRN
Load Patient	##DOURTY, DONALD	/15/2008 16:31	Mulberry, M	Carotid Duplex	1110CMG		495200701
Add Patient	##LINDRED, LOU	/15/2008 16:26	Phillips, MF	Stress Echo	10038OU		497269885
Edit Patient	##LOWTHER, JOHNNIE	/15/2008 15:33	Mulberry, M	Carotid Duplex	1110CMG		497348503
Cancel	##MURRAY, AMY	/15/2008 15:33	Phillips, MF	Stress Echo	10038OU		489943057
DICOM QR	##WILEY, ALLEN	/15/2008 15:13	Handley, M	Echo/Doppler	1091PLA		511728186
Merge Patient	##BACH, MARCIA	/15/2008 14:49	Molitor, RC	Echo/Doppler	5006WEL		524448689
Column Selection	##BRADSHAW, LELAND	/15/2008 14:45	Phillips, MF	Echo/Doppler	10038OU		487407408
	##STUMBO, BETTY	/15/2008 14:41	Mulberry, M	Carotid Duplex	1110CMG		495203060
	##CALLAHAN, PAUL	/15/2008 14:40	Jepson, RI	LE Venous Bilatera	1066FPH		494721112
	##SMITH, JANET	/15/2008 14:39	Handley, M	Carotid Duplex	1091PLA		515469934
	##MILLER, ROGER	/15/2008 14:22	Lynchard,	Ankle-Brachial Inde	5014MES		526421870
	##SOLOMONT, ANNE	/15/2008 14:17	Robertson,	Echo/Doppler	1090MOO		512140248
	##STINE, GENE	/15/2008 14:10	Mulberry, M	Ankle-Brachial Inde	1110CMG		512488677
	##VINSON, ARLONE	/15/2008 14:09	Phillips, MF	Echo/Doppler	10038OU		493466740
	##ANDERSON, BEULAH	/15/2008 13:49	Farris, MH	Echo/Doppler	1014INZ		511200792

7. You have two options for **Selecting a Patient** you wish to view.

- Move the cursor on top of the patient name and **double-click**
- Move the cursor on top of the patient name and click on **“Load Patient”**

8. The **“Select Study”** screen will appear. The patient you selected should be at the top of the screen.

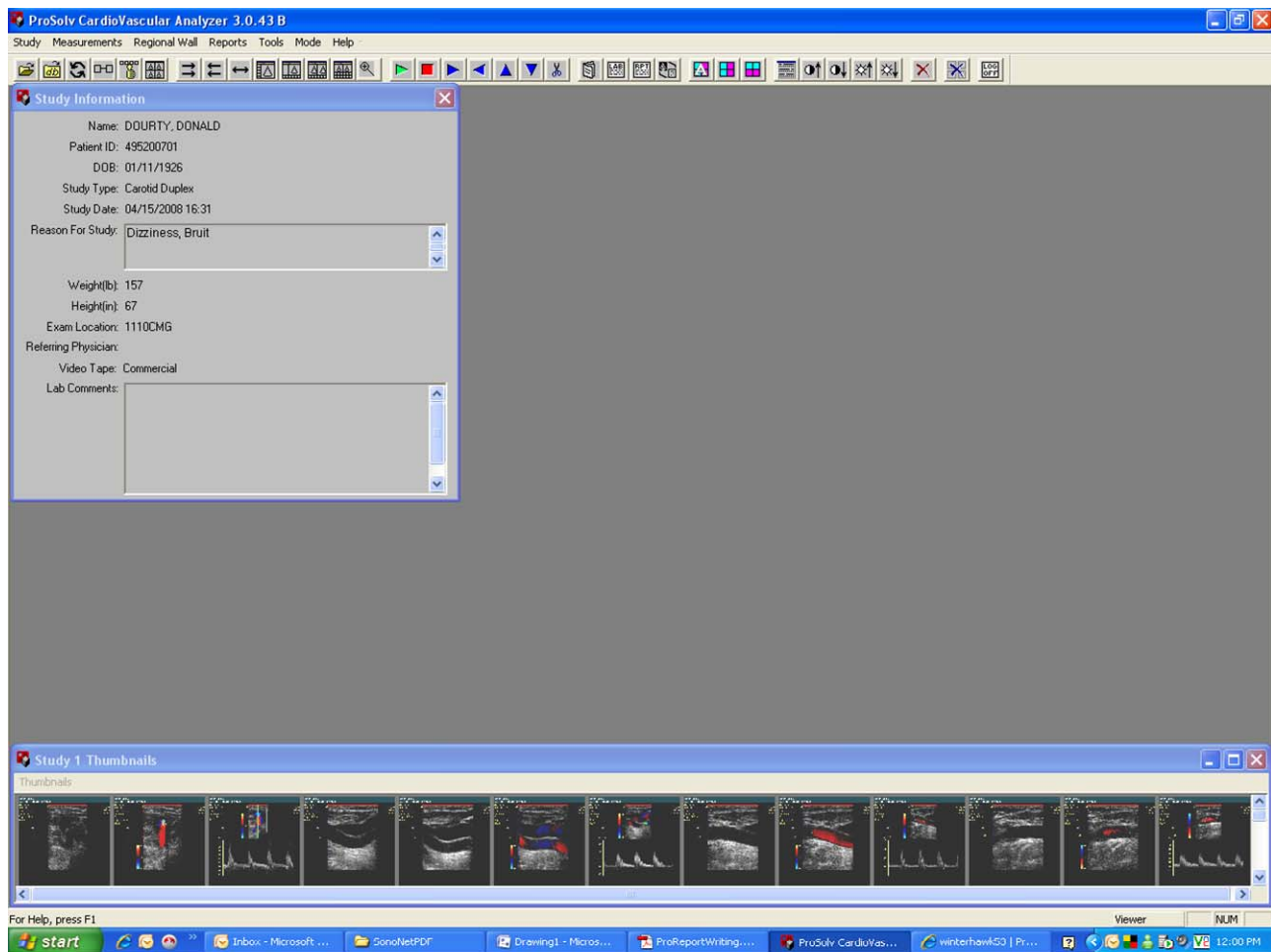
Click once on the **“Load Study”** button.

Select Study

Studies For DOURTY, DONALD

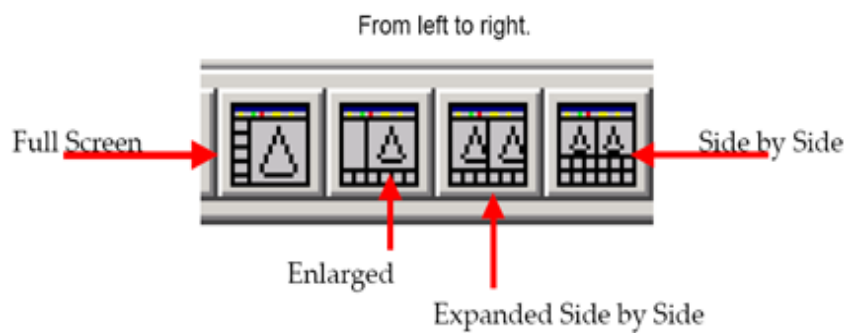
##04/15/2008 16:31	Carotid Duplex	Load Study
		Add New Study
		Edit Study
		Remove Study
		View/Print Report
		Load Options
		Move Study
		Merge Studies
		<< Back To Patient List
		Cancel

9. The study will load and the thumbnails will now appear.



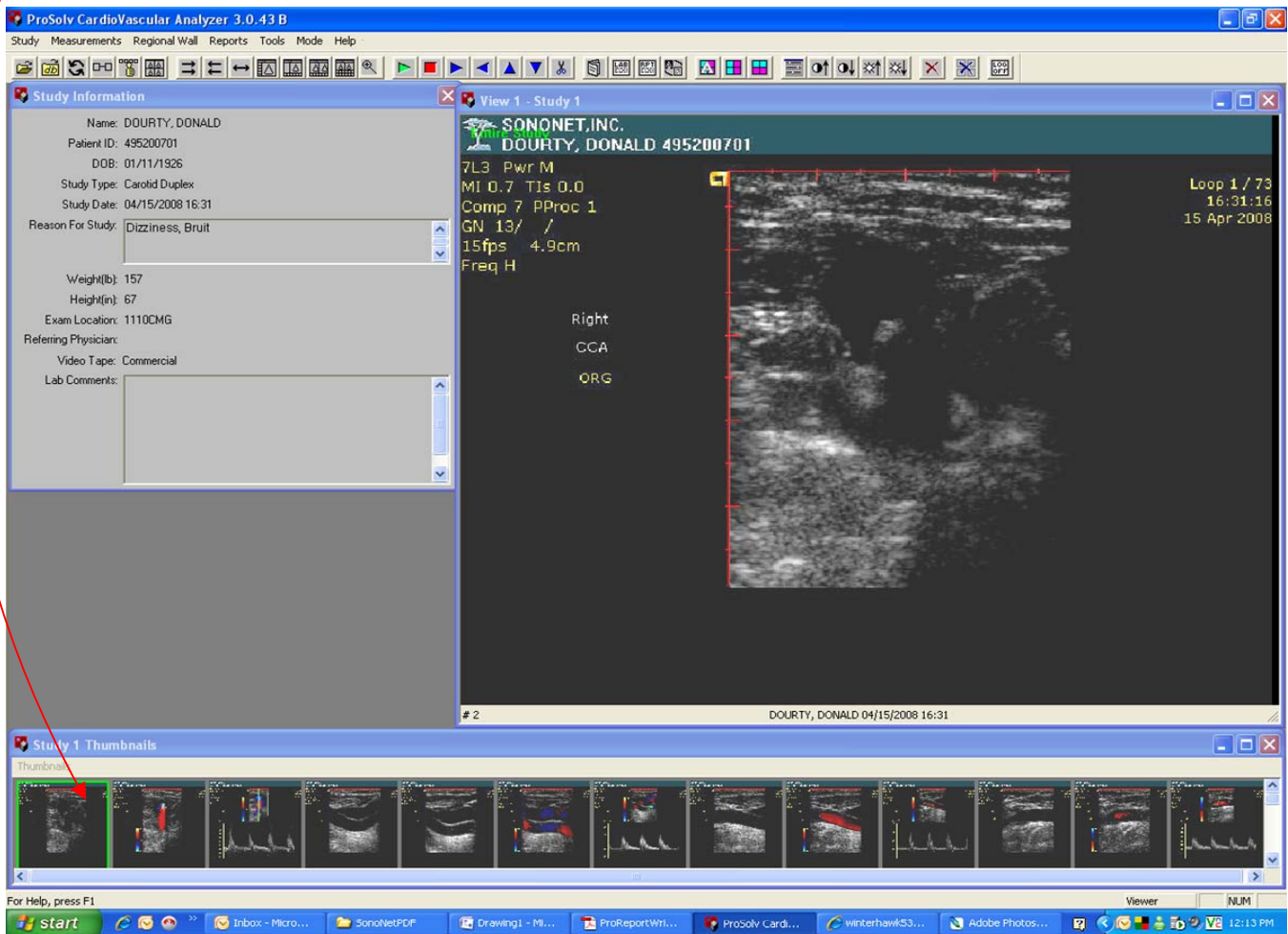
10. Using the toolbar at the top of the screen you can change the view of this screen

(These buttons on your toolbar will change how you view the patient thumbnails.)

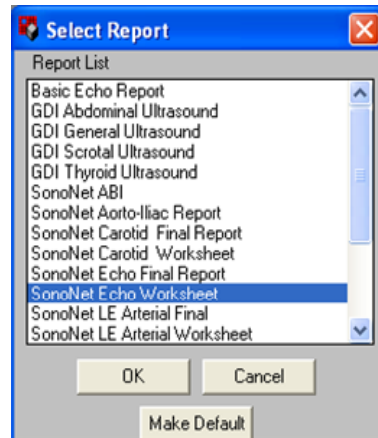


11. There are two options to view recorded images.

- **Click** once on an image you would like to view and it will become enlarged on the screen. Pick another image and click once and the new image should change to the specified image.
- **Click** once on the first image, to enlarge it, and then using your **“Page Up / Page Down”** key on your computer keyboard you will be able to scroll through all of the images.



12. From the toolbar click on **Reports**. Then click on “**Select Report**”
Select the report you wish to view. Example : “SonoNet Echo Worksheet”



13. Select “**OK**” - The report will load and allow you to view or edit the contents.

SONONET ECHOCARDIOGRAPHIC WORKSHEET DOURTY, DONALD 04/15/2008 PAGE 1

SONONET **SONONET ECHOCARDIOGRAPHIC WORKSHEET**

Name: DOURTY, DONALD Date: 04/15/2008 16:31 Sonographer: Mulbery, MS, RVT, RDCS, Ryan
 DOB: 01/11/1926 Age: 82 Wt: 158 BSA: 1.9 Location: 1110CMG
 Sex: M Ht: 67.9 Ordering Physician: Chandra MD, Mahesh 816-350-9100

Indications: Dizziness, Bruit

2D Measurements:

	Range (cm)		Range (cm)
RV	(0.9-2.6)	FS	(28-44%)
LVd	(3.5-5.7)	FSx1.7:	(>55%)
LVs	(1.5-3.9)	Est EF	(>55%)
IVS	(0.6-1.1)	AO	(2.0-3.7)
LVPW	(0.6-1.1)	LA	(1.9-4.0)
		AV	(1.5-2.6)
		LA Length	
		LA Area AP4	
		LA Area Ap Long	
		LA Volume:	
		LA Volume Index	<28 ml/m ²
		AV Cusp:	Tricuspid

Doppler:

LVOT:

LVOT Pk Vel: cm/s LVOT Diam: Shunt Ratio: RVOT Diam: QpQs:

Aortic Valve:

AV Pk Vel: cm/s (100-170) AI: AI Jet Diameter LVOT Mild 40-24% Moderate 25-49% Severe >50%

AVA MPG Normal 3.0-4.0 Minimal 2.1-2.9 Mild 1.5-2.0 <25 Mod 1.1-1.5 25-40 Severe <1.0 >40

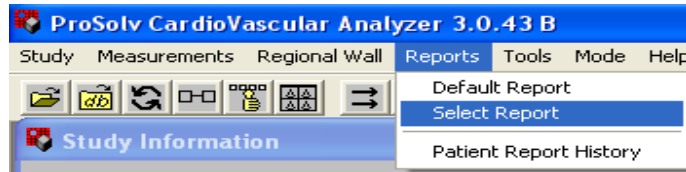
AV PPG: AV MPI: AV VTI: AV Area: AI Flow Rev: No

Mitral Valve:

MV Pk Vel: cm/s (60-130) MR: PISA: MVA MPG Aliasing Vel: Grade 1-2 <10 cm/s

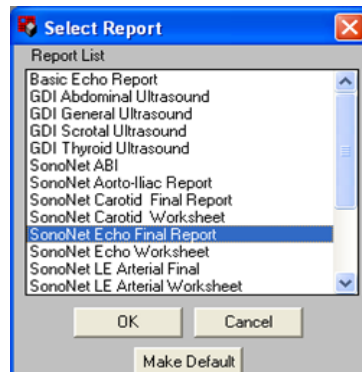
Tip: Click and hold on the arrows to scroll up and down or from side to side to see all of the report.

14. When you are ready to create a Final Report. From the toolbar click on **Reports**. Again click on **"Select Report"**



15. Select the report from the list titled **"SonoNet Echo Final Report"**.

After choosing the report, click once on **"OK"**



16. A final report will load all patient information, and the technician's measurements should be already filled in.

ECHOCARDIOGRAPHIC FINAL REPORT DOURTY, DONALD 04/15/2008 PAGE#

SonoNet 8805 Long Lenexa, Ks 66215 www.sononet.us Telephone: 913-888-8866 Fax: 913-888-8829

Name: DOURTY, DONALD Date: 04/15/2008 16:31 Sonographer: Mulbery, MS, RVT, RDMS, Ryan
DOB: 01/11/1926 Age: 82 Location: 1110CMG Ordering Physician: Chandra MD, Mahesh 816-350-
Sex: M Ht: 67.9 Wt: 158

Indications: Dizziness, Bruit

Conclusions: **Follow Up Recommendations:** 1 year

Duplex Imaging of the carotid arteries (extra cranial carotid circulation) revealed:

Right Carotid System:
An increase in the intima medial thickness > 10 cm is demonstrated.
Minimal plaque formation was noted in the right bulb with normal flow velocities.
Normal flow velocities were noted in the right internal and external carotid arteries.
Antegrade right vertebral flow with normal flow velocities.

2D Doppler Measurements:

RVd	cm(0.9-2.6)	Est. EF:	(>55%)	PVa	(<30)
LVd	cm(3.5-5.7)	AO	cm(2.0-3.7)	E Prime Vel	
LVs	cm(1.5-3.9)	AV Peak Vel:	cm/s(100-170)	E/E Prime	(<15)
IVS:	cm(0.6-1.1)	MV Peak Vel:	cm/s(60-130)	PVR	
LVPW]	cm(0.6-1.1)	TV Peak Vel:	cm/s(30-70)	LVOT Peak Vel	cm/s(80-120)
LA:	cm(1.9-4.0)	PV Peak Vel:	cm/s(60-90)	LVOT Diameter	cm(1.8-2.2]
LA Vol	< 28 ml/m2	PAP:	mmHg	AV Area:	cm²(4.0-6.0)

Final 2D Interpretation:

SonoNet Echo Final Report

Report View Interpret

ECHOCARDIOGRAPHIC FINAL REPORT DOURTY, DONALD 04/15/2008 PAGE#

Echocardiographic Final Report

SonoNet 8805 Long Telephone: 913-888-8866
 Lenexa, Ks 66215 www.sononet.us Fax: 913-888-8829

Name: DOURTY, DONALD Date: 04/15/2008 16:31 Sonographer: Mulbery, MS,RVT,RDCS, Ryan
 DOB: 01/11/1926 Age: 82 Location: 1110CMG Ordering Physician: Chandra MD, Mahesh 816-350-
 Sex: M Ht: 67.9 Wt: 158

Indications: Dizziness, Bruit

Conclusions: **Follow Up Recommendations:** 1 year

Duplex Imaging of the carotid arteries (extra cranial carotid circulation) revealed:

Right Carotid System:
 An increase in the intima medial thickness > .10 cm is demonstrated.
 Minimal plaque formation was noted in the right bulb with normal flow velocities.
 Normal flow velocities were noted in the right internal and external carotid arteries.
 Antegrade right vertebral flow with normal flow velocities.

2D/Doppler Measurements:

RVd	cm(0.9-2.6)	Est. EF:	(>55%)	PVa	(<30)
LVd	cm(3.5-5.7)	AO	cm(2.0-3.7)	E Prime Vel	
LVs	cm(1.5-3.9)	AV Peak Vel:	cm/s (100-170)	E/E Prime	(<15)
IVS:	cm(0.6-1.1)	MV Peak Vel:			
LVPW	cm(0.6-1.1)	TV Peak Vel:			
LA:	cm(1.9-4.0)	PV Peak Vel:			
LA Vol	< 28 ml/m 2	PAP:			

Final 2D Interpretation:

Comment Items

- + Exam Quality
- + ARRHYTHMIAS
- + NORMAL LV,LA,VALVES
- + NORMAL LV-LVH,LAE,NL VALVES
- + NORMAL LV-LVH,LAE,MILD AV THICK
- + NORMAL LV-LVH,LAE,AV SCLEROSIS
- + NORMAL LV-LVH,LAE,AS
- + NORMAL LV-LVH,BAE,AV SCLEROSIS
- + 1 CHAMBER SIZE
- + 1 AORTA-ASCENDING/ARCH
- + 2 LV GLOBAL
- + 2 LV SEGMENTAL
- + 2 RV FUNCTION
- + 3 WALL THICKNESS
- + 4 ALL VALVES
- + 4 AV
- + 4 MV
- + 4 TV

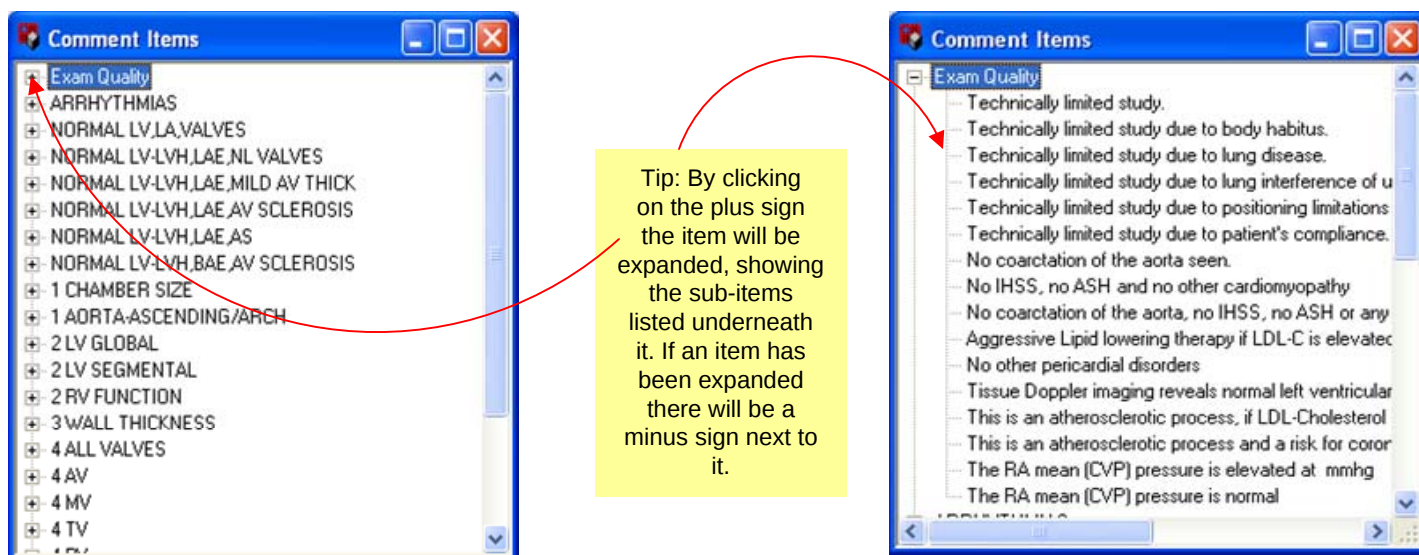
Qualifiers

- 1 basilar
- 1 proximal
- 1 proximal to mid
- 1 mid to distal
- 1 distal to apical
- 1 apical
- 6 inferior
- 920 interobasilar
- 13 inferoposterior
- 1311 inferoseptal
- 1 inferoapical
- 14 posterior
- 1 posteroapical
- 141 posterolateral
- 15 lateral
- 1511 anterolateral
- 16 anterior

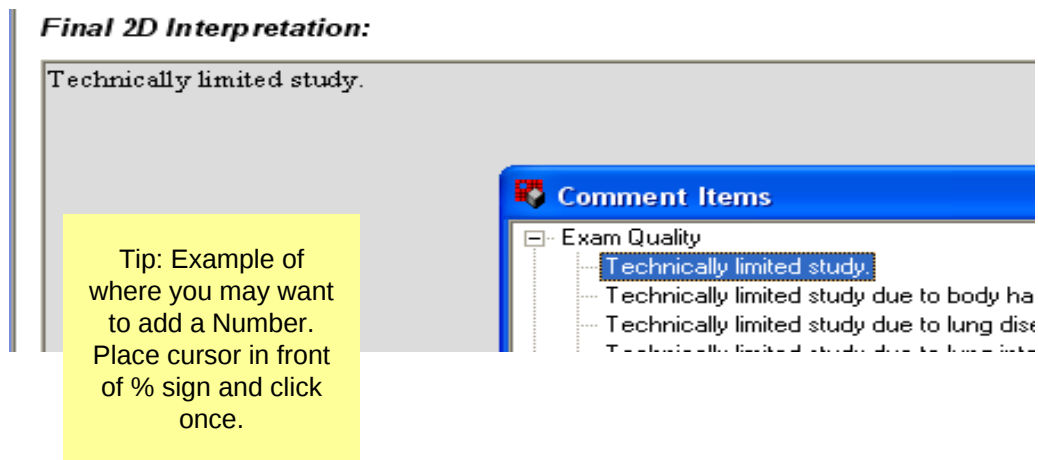
17. Type in new information that you would like to add or change on the report into any text area or field.

Right Click in an open text area to add a comment from the dictation tree. Search through the dictation tree until you find a statement you wish to add to the report. **Click** on the statement and it will be added to the report.

17b. After Right Clicking, the menus that appear are a list of a **Main Categories**; that can be expanded to show **Sub Items**.



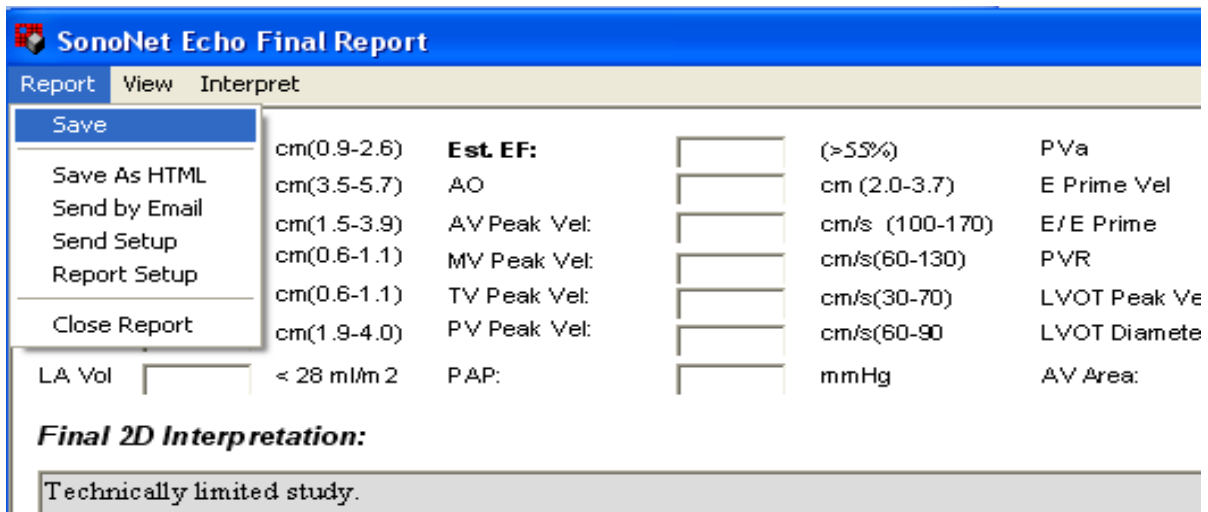
18. After selecting the Sub Item or items you would like to use. Click once on the item and it will be populated to your report.



Free Form Additions:

Place the cursor in front of the space where you would like to add something and then **Click** once on the item you wish to add. You can now add as many items as you need to your report in a free form area.

19. When you are satisfied with your report. Select “**Report**” and then “**Save**” or “**Save & Finalize**”. **Save** – Just saves report changes. **Finalize** – Finalizes the report with changes



SonoNet Echo Final Report

Report View Interpret

Save

Save As HTML

Send by Email

Send Setup

Report Setup

Close Report

LA Vol < 28 ml/m²

Est. EF: (>55%) PVa

cm(0.9-2.6) AO cm (2.0-3.7) E Prime Vel

cm(3.5-5.7) AV Peak Vel: cm/s (100-170) E/E Prime

cm(1.5-3.9) MV Peak Vel: cm/s(60-130) PVR

cm(0.6-1.1) TV Peak Vel: cm/s(30-70) LVOT Peak Ve

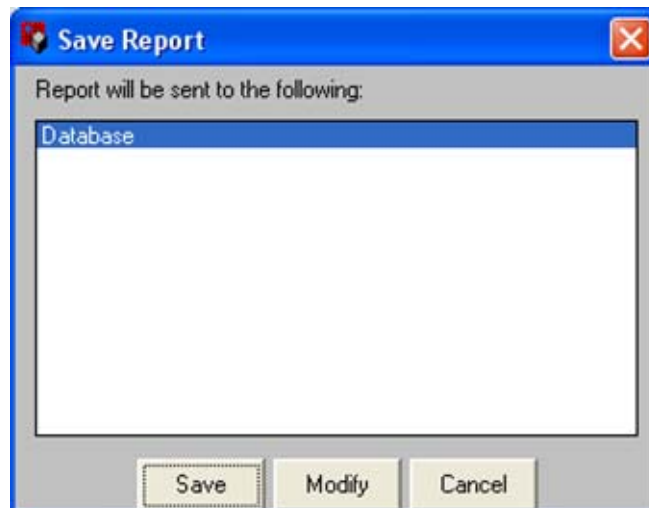
cm(0.6-1.1) PV Peak Vel: cm/s(60-90) LVOT Diamete

PAP: mmHg AV Area:

Final 2D Interpretation:

Technically limited study.

20. A “**Save Report**” screen will appear. Click once on **Save**.
(Database should be highlighted blue, it is the default.)



Save Report

Report will be sent to the following:

Database

Save Modify Cancel

21. To electronically sign your report “**Enter Your Password**” and then click on the “**OK**”



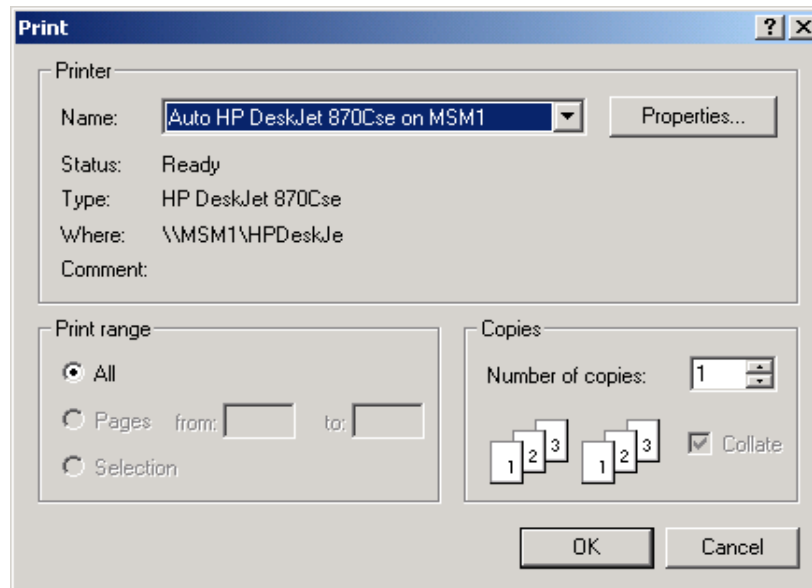
Electronic Signature Verific...

User Name: administrator

Password:

OK Cancel

22. After you click “OK” a Print screen will appear. (If you wish to print a copy of the report and are connected to a printer you can print your report.)



23. **Close the Report** and the report is Finished.