

PATHWAY® CTS 1500 CONTINENCE EVALUATION and TRAINING SYSTEM OPERATOR'S GUIDE



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THE PROMETHEUS® GROUP
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NOMENCLATURE

In this Operator's Guide, **NOTES**, **CAUTIONS**, and **WARNINGS** are included, which have the following implications:

NOTE: A procedural emphasis - usually something regarding preparation for a process or a reminder that some bit of information recorded here will be used later for another purpose



CAUTION: A hazard to a piece of equipment or property – for example, potential for an electrical short, water damage, or some other danger to the equipment but not the operator or patient.



WARNING: A hazard to a person - a potential danger to the operator or patient such as electrical shock or some other potential danger.

SERVICE INFORMATION



WARNING: There are no serviceable parts within this device. The user should not attempt to service the instrument beyond that described in the Pathway® CTS 1500 Device Operator's Guide. Refer all other servicing to qualified service personnel. Please call 1-800-272-8492 in the U.S.A. and Canada, or +1 (011) 603-742-6053 international, or e-mail support@theprogrp.com



The instrument should be serviced by qualified service personnel when:

- Any cable, cord, or plug has been damaged.
- The instrument does not appear to operate normally or exhibits a marked change in performance.
- The instrument has been dropped, or the casing is damaged.
- Fluid has been spilled on the instrument, or it has been immersed, and it appears that fluid has entered the housing.

TECHNICAL SUPPORT

To contact THE PROMETHEUS® GROUP Technical Support for assistance: **Telephone: 800-272-8492 U.S.A. and Canada; +1 (011) 603-742-6053 international; e-mail: support@theprogrp.com.**



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INDICATIONS FOR USE












Muscle Activity Measurement

- Muscle re-education, strengthening, endurance building, and relaxation of skeletal muscles, specifically the pelvic floor muscles.
- Assessment of pelvic floor dysfunctions, monitoring the muscle activity associated with the performance of Kegel exercises.
- Assessment of conditions including stress incontinence, mixed incontinence, and urge incontinence.

CONTRA-INDICATIONS FOR USE

- Active Infection or Genital Disease
- Severe Pelvic Pain
- Pregnancy
- Postpartum or Post Surgical (6 weeks)
- Atrophic Vaginitis
- Dyspareunia
- Menstrual Period
- Pacemaker or Cardiac Arrhythmia
- Presence of Any Known Malignancy
- History of Severe Urine Retention
- Prolapse
- Diminished sensory perception

Warnings

-  This device is not intended for use with anesthetic gases mixed with air, oxygen or nitrous oxide. Danger of electrical ignition.
-  Use only electrodes from THE PROMETHEUS® GROUP with the Pathway® CTS 1500. Any other electrodes may not be compatible with the Pathway® CTS 1500.
-  Do **NOT** immerse any part of this system in any fluid.
-  To reduce the risk of electrical shock, Do **NOT** connect any preamplifier, lead wire, electrode, or any other component to a wall outlet.
-  Do **NOT** leave electrodes attached when device is not in use.
-  To reduce the risk of electrical shock, Do **NOT** open the instrument's housing. Refer servicing to qualified personnel only.
-  Disassembly of equipment by unauthorized personnel will void the instrument's warranty.
-  The following practices may be dangerous and void any guarantee(s) and obligations for THE PROMETHEUS® GROUP: (1) The device is not used according to the enclosed manuals and other accompanying documentation; (2) The device is modified by persons other than THE PROMETHEUS® GROUP Service Technicians; (3) Do not use accessories, consumables and components not supplied or approved by THE PROMETHEUS® GROUP.
-  Discontinue use if bleeding develops.
-  Be sure stimulation is off while inserting or removing sensors/electrodes.
-  Skin irritation may develop beneath or around electrode sites.



Cautions



Prior to using this device, be sure to read the CTS 1500 Device Operator's Guide for installation, maintenance, cleaning, technical data, service, and warranty information.



Federal law (USA) restricts this device for sale by or on the order of a licensed medical practitioners, licensed by law in the state in which they practice.



Use only the approved power supply supplied with this device.



Be sure that USB Serial Interface Cable is no longer than 3 meters.



HIPAA requires safeguards to protect patient privacy. Connecting this system to a network is done at your own risk.

EQUIPMENT & ACCESSORIES

Before setting up the Pathway® CTS 1500 system for the first time, carefully open the packing cartons and confirm that all Pathway® CTS 1500 equipment and accessories listed below are included and agree with the packing list/invoice. If there are questions about the contents or you wish to order additional supplies, call Customer Service, Toll-Free: 1.800.442.2325 in the U.S.A. and Canada, +1 (011) 603.749.0733 international, or Fax: 1.603.749.0511. Customer Service Representatives are on duty between 9:00 a.m. and 5:00 p.m., Eastern Standard Time.

CONTENTS

Pathway® CTS 1500 Continence Evaluation and Training System

One Pathway® CTS 1500 Module consisting of two channels of EMG and one channel of electrical stimulation with Pathway® CTS 1500 Software.

Includes: One Notebook Computer with Operator's Guide, Color Printer with Operator's Guide, Power Supply, USB Serial Interface Cable, Pathway® CTS 1500 Operator's Guide.

Starter Accessory Package:

Part Number	(Quantity)	Description
7400	(4)	Disposable Lead Wire Electrodes Sample Packets
6750	(4)	Pathway® Electrodes Sample Packets
7300	(1)	Ch A 10' Interface Cable for 7400 Disposable Lead Wire Electrodes
2583E	(1)	Ch B Extended Pathway® Preamplifier
6330	(4)	Pathway® Vaginal EMG/Stimulation Sensor
6340	(2)	Pathway® Rectal EMG/Stimulation Sensor

Support Services:

- (1) Unlimited hardware and software telephone Technical Support

NOTE: P.O./Quote dictates what accessories are included; The Packing slip/Invoice is generated from the P.O./Quote.



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CHAPTER 1: **PHYSICAL-MECHANICAL OVERVIEW & SETUP**

The Pathway® CTS 1500 Module



Figure 1



Figure 2



Figure 3



Figure 4

Figure 1. Complete Pathway® CTS 1500 system with optional Point of Care Cart. **Figure 2 Top.** Front panel of Pathway® CTS 1500 Module. Input EMG A/Stim for Part Numbers 7300, 6330 and 6340. EMG B for Part Number 2583E. Large, illuminated blue On/Off Power Button. **Figure 2 Bottom.** Left-12V DC Power Input. Center-blank panel. Right-USB Cable Interface. The Pathway® CTS 1500 Module is powered by an external medical grade power supply. Units for use in the U.S.A. are configured for 115-120 V, 60 Hz AC. **Figure 3.** Part Number 7300. **Figure 4** Part Number 2583E

NOTE: Before using the Pathway® CTS 1500 system, the Pathway® CTS 1500 software **MUST** be configured and patient information entered into the system. See **Chapter 2: Pathway® CTS 1500 SOFTWARE SETUP** for software configuration and **Chapter 3: USING Pathway® CTS 1500 SOFTWARE** for entering patient information.

CONNECTING THE PATHWAY® CTS 1500 MODULE

1. Connect the USB cable to the USB Cable Interface
2. Connect the other end of the USB Cable to the Notebook Computer.



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POWERING THE PATHWAY® CTS 1500 MODULE

1. Connect the Power Supply to the 12VDC Power Input.
2. Connect the Line Power Cord to the Power Supply.
3. Connect the Line Power Cord to an electrical wall outlet.

NOTE: It is recommended that the Line Power Cord be connected **DIRECTLY** to an available wall outlet and **NOT** a power strip. Nongrounded power strips can create electrical interference with the Pathway® CTS 1500 Module operation. If necessary, use a heavy duty extension cord with multiple outlets.

4. Turn the Pathway® CTS 1500 Module ON by pressing the blue On/Off Power Button on the front panel.
5. When the Pathway® CTS 1500 Module is ON, the On/Off Power Button will illuminate. This indicates that the Pathway® CTS 1500 Module is ready for operation. If the On/Off Power Button does not illuminate, press the On/Off Power Button again (turning it OFF) and follow these trouble-shooting steps:
 - a. Be sure the Power Supply is firmly connected to the 12VDC Power Input.
 - b. Be sure the Line Power Cord is plugged firmly into the Power Supply.
 - c. Be sure the Line Power Cord is connected to an electrical outlet and the electrical outlet is operational.
 - d. Be sure the green light on the Power Supply is illuminated.
6. Press the Pathway® CTS 1500 Module On/Off Power Button.

NOTE: If the Pathway® CTS 1500 Module still does not turn on, contact THE PROMETHEUS® GROUP Technical Support for further assistance. Telephone: 800.272.8492 U.S.A. and Canada; +1 (011) 603.742.6053 international; e-mail: support@theprogrp.com.

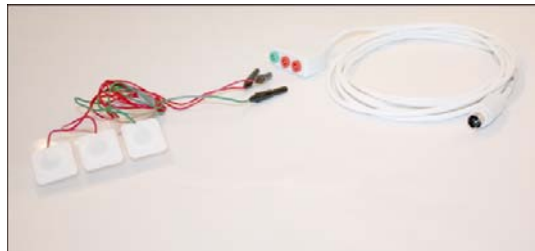


EMG A/STIM CHANNEL

1. Pelvic Muscle EMG and Stimulation channel. Input for the intracavity #6330 Pathway® Vaginal EMG/Stimulation Sensor, the intracavity #6340 Pathway® Rectal EMG/Stimulation Sensor or the external pelvic muscle EMG #7300 Ch A 10' Interface Cable for 7400 Disposable Lead Wire Electrodes. Make certain orientation of the connector matches the input jack (flat side of connector facing up), push firmly (**do NOT twist**). Refer to the instructions for use, cleaning and care enclosed with each sensor or cable.



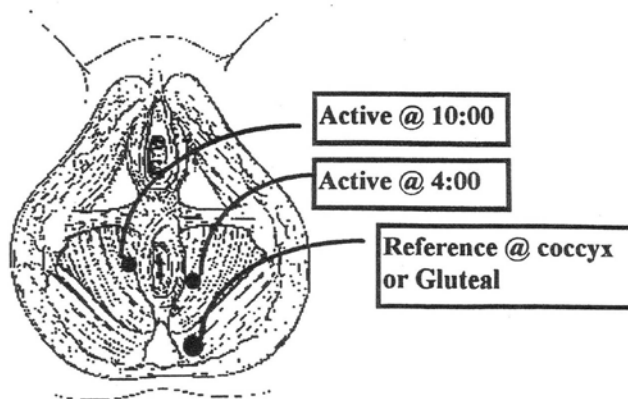
#6330 Pathway® Vaginal EMG/Stimulation Sensor #6340 Pathway Rectal EMG/Stimulation Sensor



#7300 Ch A 10' Interface Cable for 7400 Disposable Lead Wire Electrodes and #7400 Disposable Lead Wire Electrodes

2. Match the colors of the #7300 Ch A 10' Interface Cable for 7400 Disposable Lead Wire Electrodes to the #7400 Disposable Lead Wire Electrodes and push the pins completely into the sockets. The two red lead wires, referred to as the "Active" electrodes, will be placed at a 10:00 and 4:00 o'clock position perianally. The green lead wire, referred to as the "Reference" or "Ground" electrode will be placed in a neutral location such as the Coccyx or Gluteal muscle.

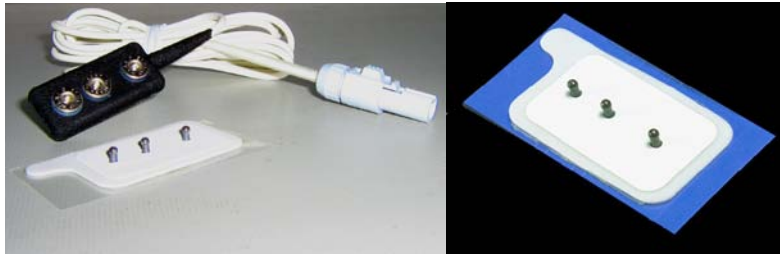
Surface Peri-Anal Placement



Positioning the #7400 Disposable Lead Wire Electrodes on the pelvic muscle.

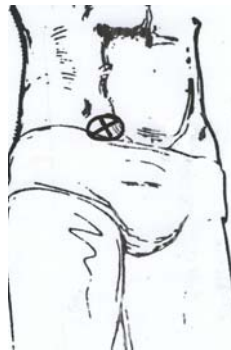
EMG B CHANNEL

1. Accessory muscle EMG channel. Input for #2583E Ch B Extended Pathway® Preamplifier.



#2583E Ch B Extended Pathway® Preamplifier and #6750 Pathway® Electrode

2. Attach a #6750 Pathway® Electrode to the #2583E Ch B Extended Pathway® Preamplifier. Align the snaps correctly and snap together. EMG B Channel will be used for measurement of the accessory muscle. Place the #6750 Pathway® Electrode on the right abdominals, to avoid the descending aorta, just above the pubic hairline.



Positioning the #6750 Pathway® Electrodes on the accessory muscle.

NOTE: Accessory Muscles such as Abdominals, Leg Adductors and Gluteals are commonly monitored by placing the active electrodes over the bulk of the muscle. Prepare the skin with an alcohol pad to avoid high impedance artifact. Wipe dry with a tissue or cloth.

NOTE: Use only accessories, consumables and components supplied or approved by THE PROMETHEUS® GROUP. Using off brand items may result in inaccurate readings, misdiagnosis, or possible damage to the unit and void the unit's warranty.

CHAPTER 2:

PATHWAY® CTS 1500 SOFTWARE SETUP

For general assistance, contact THE PROMETHEUS® GROUP Technical Support: Telephone: 800-272-8492 U.S.A. and Canada; +1 (011) 603-742-6053 international; e-mail: support@theprogrp.com.

Initial Startup Process

The Pathway® CTS 1500 Software comes preloaded on the Notebook Computer supplied with the system. Before operating the system for the first time, the software **MUST** be configured by entering the **Associate** or **Associates** who will have access to the program and the level of access, the **Location** or **Locations** (if there are multiple clinics) of the practice, and how patients will be identified.

To start, double click the CTS 1500 icon on the Windows Desktop.

Read the Software License Agreement on Page 71 of this guide. **Click OK.**



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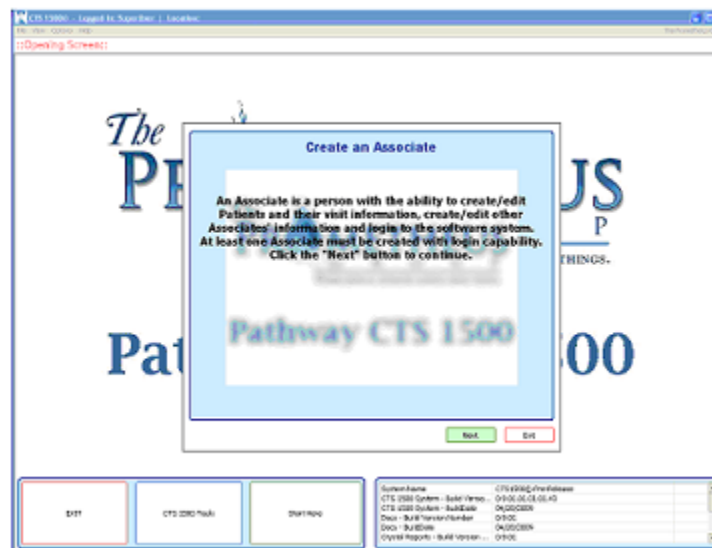
THE FIRST TIME STARTUP OPENING SCREEN

Click **Next**.



CREATE AN ASSOCIATE

1. **Create an Associate** will appear. This is to create an associate with login permissions. Additional associates can be added later. Click **Next**.



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2. **Associate Profile** will appear.

Associate Profile

The following information must be filled in first to create an Associate Profile

(Required entries in red)

Is this profile a Provider, Office Staff or a Referring Physician?

Last Name

First Name

Middle Name

Title Mr., Mrs., Ms.

Suffix - MD, PA, NP, etc....

Associate Profile CTS 1500 System Permissions

CTS 1500 System login capability

Set Username / Password

CTS 1500 System permissions

Active/Inactive status

Contact Information

Wireless

Pager

Email address

Additional Notes

Associate Profile Edit History

Created By:

Created On:

REV	Editor Information	Edit Date / Time

3. Click on the fill-in boxes and key in the information. All red entry fields must be completed to satisfy the minimum description requirements. All black entry fields are optional.

In the entry field, **Is this profile a Provider, Office Staff or a Referring Physician?** and other similar entry fields with drop down lists, click on the drop down arrow to open the list of options. Click on the appropriate option. Note that only a **Care Provider** or **Office Staff** may have login privileges. In the example shown, **Care Provider** is selected.

Associate Profile

The following information must be filled in first to create an Associate Profile

(Required entries in red)

Is this profile a Provider, Office Staff or a Referring Physician?

Last Name

▼

Care Provider

Office Staff

Referring Physician

4. Select **Yes** for CTS 1500 System login capability.

NOTE: This initial Associate **MUST** be given **CTS 1500 System login capability** and **MUST** be given a **Username** and **Password**. The program will not proceed until these steps are taken. The system will automatically assign Admin status to this initial Associate.

Associate Profile CTS 1500 System Permissions

CTS 1500 System login capability

Set Username / Password

no

no

yes

5. Click **Set Username/Password**.

Associate Profile CTS 1500 System Permissions

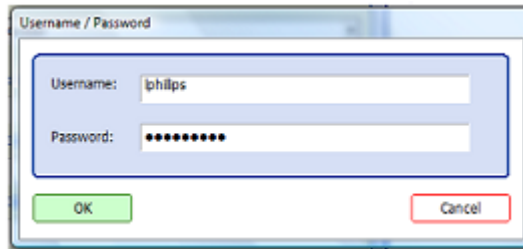
CTS 1500 System login capability

Set Username / Password

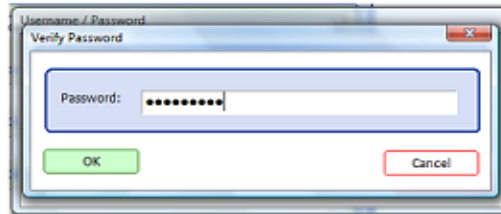
yes

6. Enter the information and click **OK**.





7. **Verify Password** will appear. Re-enter the password and click **OK**. If the password is not entered exactly as before, the program will prompt for the password to be re-entered correctly.

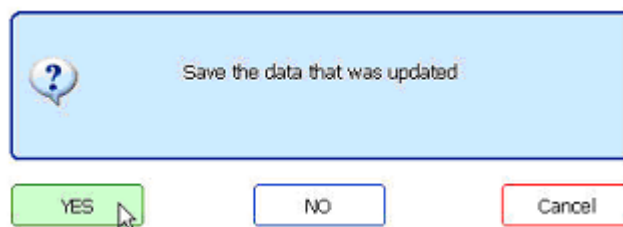


NOTE: It is strongly recommended that the **Username** and **Password** be recorded in a secure location for future reference.

8. OPTIONAL: Additional Associate information may be entered into **Contact Information** and **Additional Notes**. This, and other optional information, can be added later.
9. OPTIONAL: **Associate Profile Edit History** contains profile edit data. This data may be needed for compliance with HIPAA and other legal requirements.
10. There is now enough required information in the **Associate Profile** to satisfy the minimal associate description. Click the **Close** button to exit.



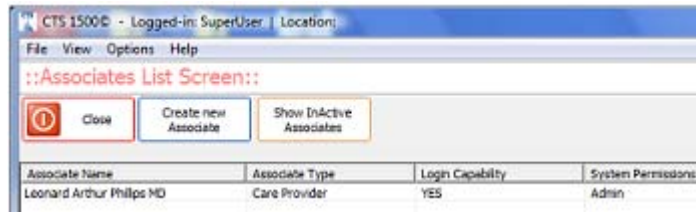
11. Save the data that was updated will appear. Click YES.



12. **Saving Associate Data** will appear.

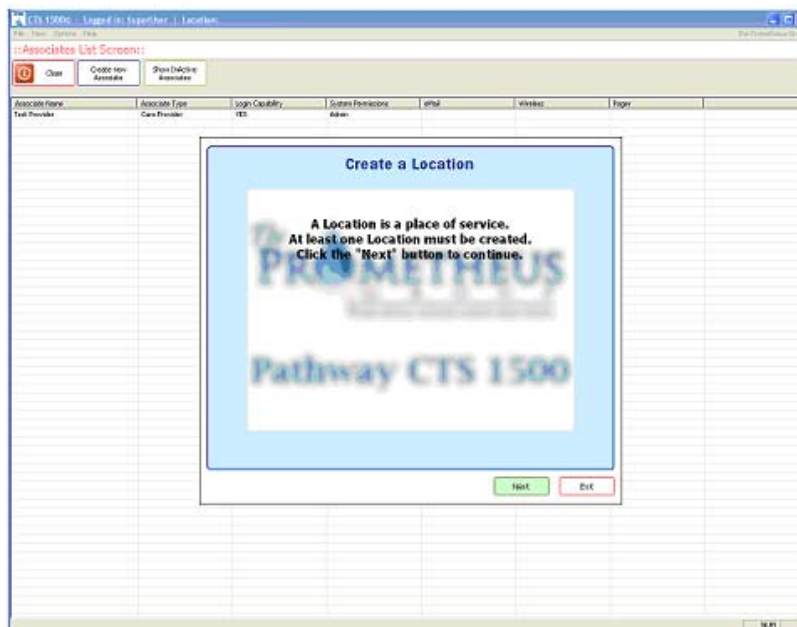


13. **Associates List Screen** will appear. The Associate just entered is listed. Additional associates may be entered at this time but are not required, click **Close** to continue the Initial Startup Process.

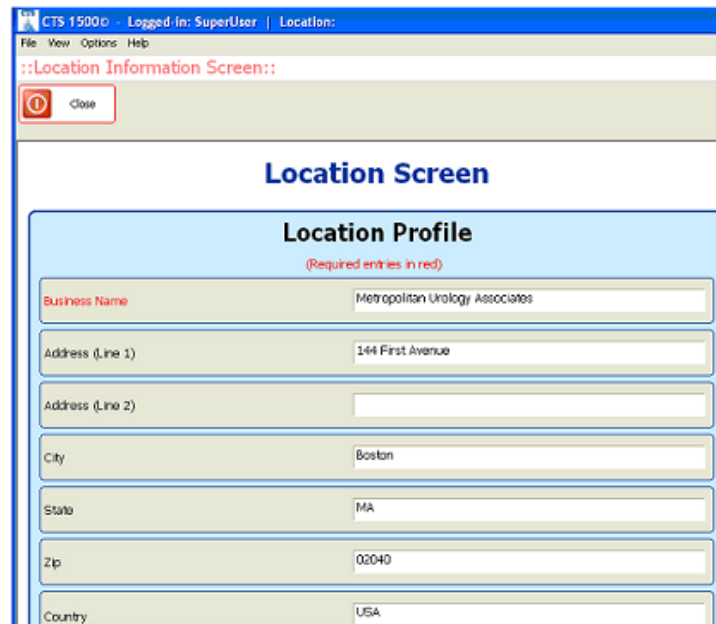


CREATE A LOCATION

1. **Create a Location** will appear. The purpose of this is to create a place of service. Additional locations, if necessary, can be added later. Click **Next**.



NOTE: The red entry field **Business Name** **MUST** be filled in. While additional information may be entered later, entering the address and phone number of this location now will complete the header section of the documents.



CTS 1500 - Logged-in: SuperUser | Location:

File View Options Help

::Location Information Screen:

Close

Location Screen

Location Profile

(Required entries in red)

Business Name Metropolitan Urology Associates

Address (Line 1) 144 First Avenue

Address (Line 2)

City Boston

State MA

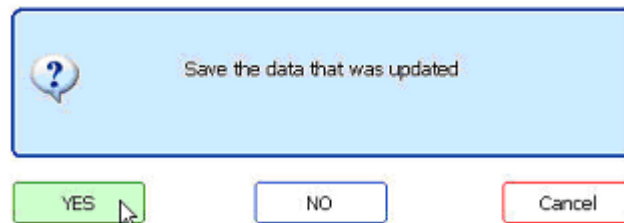
Zip 02040

Country USA

2. There is now enough required information in the **Location Profile** to satisfy the minimal location description. Click **Close**.



3. **Save the data that was updated** will appear. Click **YES**.



Save the data that was updated

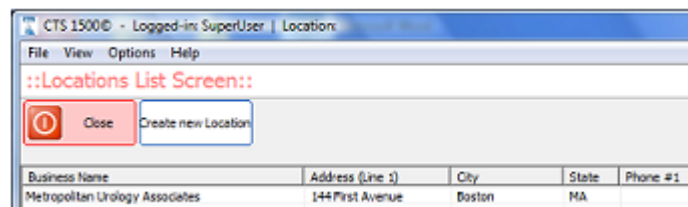
YES NO Cancel

4. **Saving Location Data** will appear.



Saving Location Data

5. **Locations List Screen** will appear. Note that the Location just entered is listed. Additional Locations may be entered at this time but are not required. Click **Close** to continue the Initial Startup Process.



CTS 1500 - Logged-in: SuperUser | Location:

File View Options Help

::Locations List Screen:

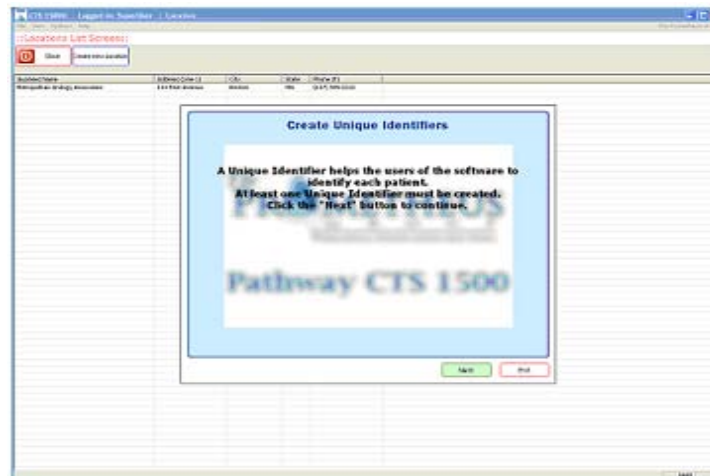
Close Create new Location

Business Name	Address (Line 1)	City	State	Phone #1
Metropolitan Urology Associates	144 First Avenue	Boston	MA	



CREATE UNIQUE IDENTIFIERS

1. **Create Unique Identifiers** will appear. This is the method by which patients will be identified in the patient database. This feature ensures that the practice is compliant with HIPAA requirements for patient privacy. Click **Next**.

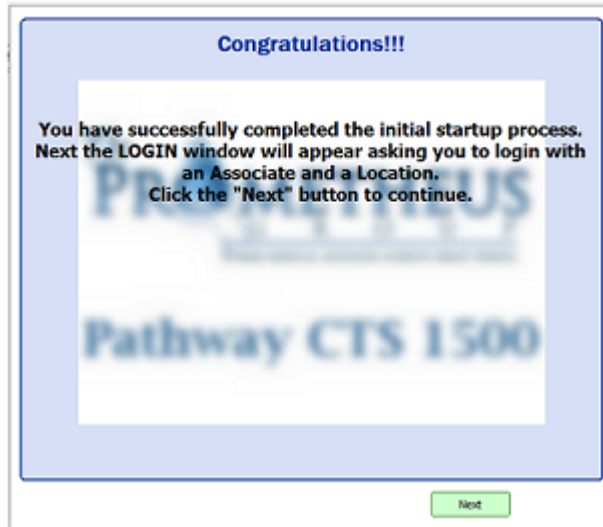


2. Click on the appropriate box or boxes to choose one or more **Unique Patient Identifiers**. Clicking on a box with a check mark (✓) removes the check mark and that method of identifying the patient. The example shows **Full Name** checked. Click **OK**.



3. **Congratulations** will appear. The Initial Startup Process is now complete. Click **Next**.





4. **LOGIN** will appear. Enter the **Username** and **Password** to use the program now. Click the drop down arrow to select the **Location of Service**. Click on the correct **Location of Service**. Click **LOGIN**. Click **Cancel** to exit the program.

CHAPTER 3: CTS 1500 TOOLS

Introduction

1. Launch the Pathway® CTS 1500 Software by double clicking on the CTS 1500 icon on the Windows Desktop.



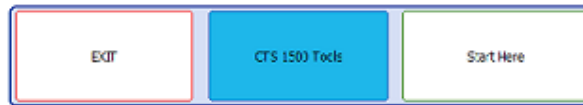
2. After the Pathway® CTS 1500 Software loads, the login window will appear. Input the **Username** and **Password** and select the **Location of Service** entered during the Initial Startup Process. Click **LOGIN**.

3. The Pathway® CTS 1500 software has two main components:

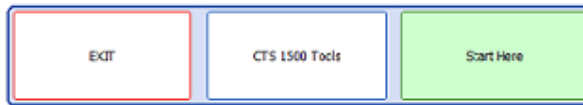


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- a. Administrative functions, which are accessed from the Opening Screen by clicking **CTS 1500 Tools**.



- b. Clinical functions, including patient treatments and documents, which are accessed by clicking **Start Here**.

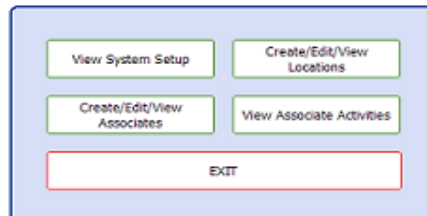


NOTE: Access to the **CTS 1500 Tools** section is restricted to Administrators only and is used to **Create/Edit/View Associates** and **Locations**, change **Unique Patient Identifiers**, or **View Associate Activities**. If not adding or changing these proceed directly to the clinical functions **Start Here**.

4. Click **CTS 1500 Tools**.

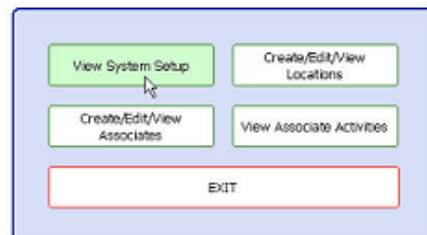


5. The **CTS 1500 Tools** window will appear.

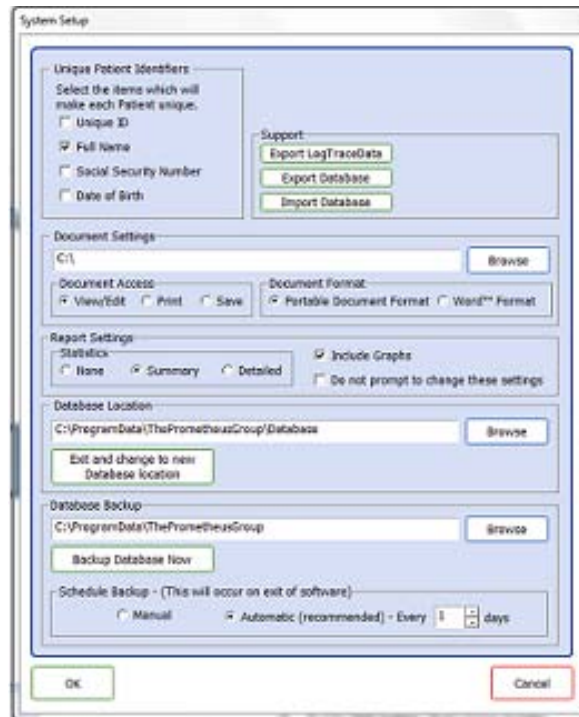


VIEW SYSTEM SETUP

1. Click **View System Setup**.



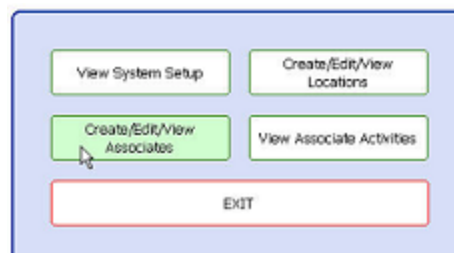
2. **System Setup** will appear.



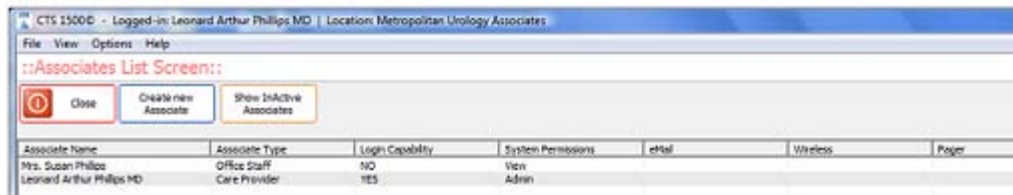
- a. **Unique Patient identifiers.** Select from the four options. **Unique ID** will provide the option to enter any sequence of letters and numbers while **Full Name**, **Social Security Number** and **Date of Birth** will use the patient's existing information.
- b. **Database Location.** A default location for the database is automatically provided. Click **Browse** to change the location of the database. A Windows Browse window will appear allowing for navigation to the location on the computer or network where the database is to be located. Follow standard Microsoft® procedure to create a new folder at the location, and then click **Exit and change to new Database location** to enable the CTS 1500 software to automatically navigate to the location selected.
- c. **Database Backup.** Select a location for the database backup file; for example, on a LAN or WAN server. Click **Backup Database Now** to perform an immediate backup of the database manually. The database backup schedule may be set to **Manual** (user maintained) or **Automatic** (software maintained with user prompts) backup by clicking on the appropriate button. The daily interval between automatic backups may be set by using the up/down arrows next to the entry box to increase or decrease the interval. Automatic backups on a daily basis are recommended. Upon completion of changes to the **System Setup** options, click **OK** to save changes. Clicking **Cancel** will delete any changes and exit to **CTS 1500 Tools**.

CREATE/EDIT/VIEW ASSOCIATES

1. Click **Create/Edit/View Associates**.

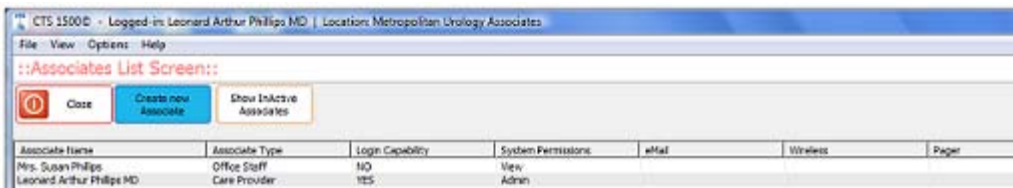


2. **Associates List Screen** will appear.



Associate Name	Associate Type	Login Capability	System Permissions	eMail	Wireless	Pager
Mrs. Susan Phillips	Office Staff	NO	View			
Leonard Arthur Phillips MD	Care Provider	YES	Admin			

3. Click **Create new Associate**.



4. **Associate Profile** will appear. Complete as instructed in the Initial Startup Process.

Associate Profile



The following information must be filled in first to create an Associate Profile

(Required entries in red)

Is this profile a Provider, Office Staff or a Referring Physician?

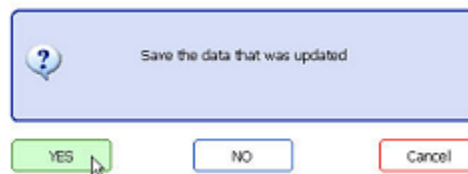
Last Name

First Name

5. Click **Close** on the **Associate Profile** when complete.



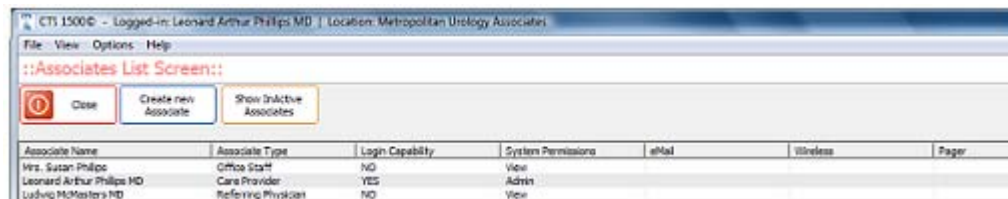
6. Click **YES** on **Save the data that was updated**.



Save the data that was updated

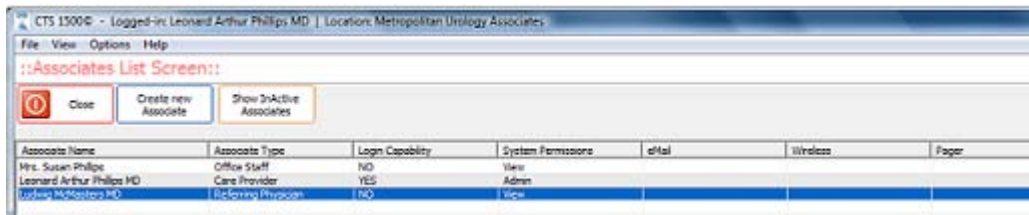
YES NO Cancel

7. **Associates List Screen** will appear with the new entry.

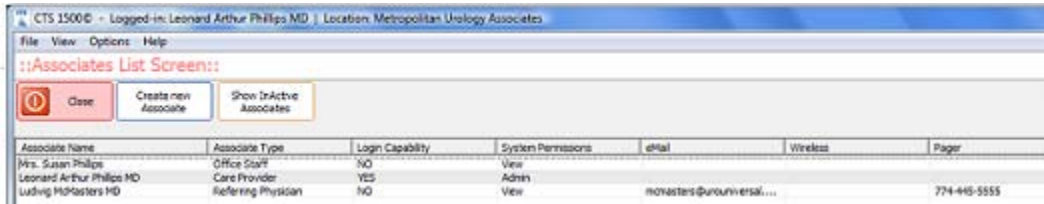


Associate Name	Associate Type	Login Capability	System Permissions	eMail	Wireless	Pager
Mrs. Susan Phillips	Office Staff	NO	View			
Leonard Arthur Phillips MD	Care Provider	YES	Admin			
Ludvig McMaster's MD	Referring Physician	NO	View			

8. To view and/or edit an associate profile, double click an associate name. **Associate Profile** will appear with the information available for viewing/editing. Click **Close** when viewing/editing is complete. Click **YES** on **Save the data that was updated**.

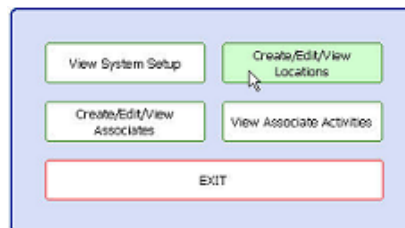


9. Click **Close** on the **Associate List Screen** when creating/editing/viewing associates is complete.

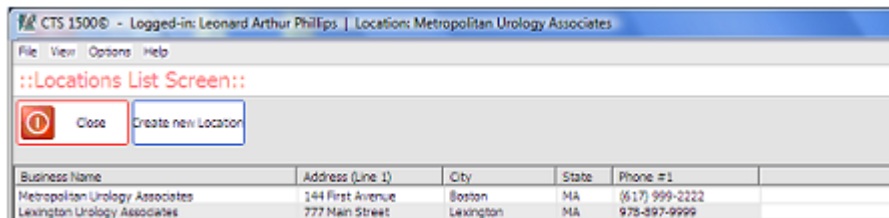


CREATE/EDIT/VIEW LOCATIONS

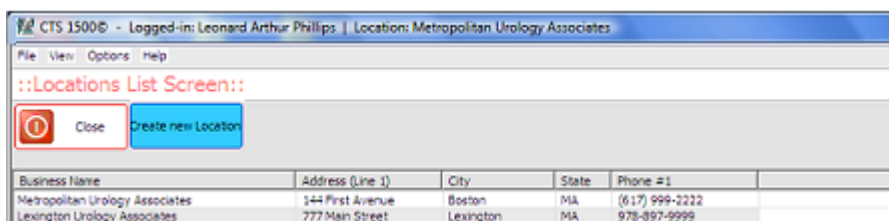
1. Click **Create/Edit/View Locations**.



2. **Locations List Screen** will appear.



3. Click **Create new Location**.



4. **Location Screen** will appear. Complete as instructed in the Initial Startup Process.

Location Screen

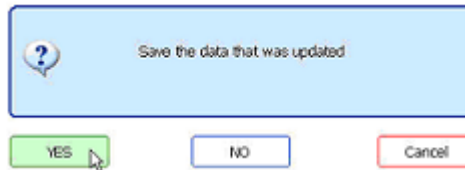
Location Profile
(Required entries in red)

Business Name	Greater Boston Urology Associates
Address (Line 1)	14 Fruit Street
Address (Line 2)	
City	Boston
State	MA
Zip	02140
Country	United States
Phone #1	617-777-9999

5. Click **Close** on the **Location Screen** when complete.



6. Click **YES** on the **Save the data that was updated**.



7. **Locations List Screen** will appear with the new entry.

CTS 1500® - Logged-in: Leonard Arthur Phillips | Location: Metropolitan Urology Associates

File View Options Help

::Locations List Screen::

Close Create new Location

Business Name	Address (Line 1)	City	State	Phone #1
Metropolitan Urology Associates	144 First Avenue	Boston	MA	(617) 999-2222
Lexington Urology Associates	777 Main Street	Lexington	MA	978-697-9999
Greater Boston Urology Associates	14 Fruit Street	Boston	MA	617-777-9999

8. To view and/or edit a location on the **Locations List Screen**, double click on the **Business Name**.

CTS 1500® - Logged-in: Leonard Arthur Phillips | Location: Metropolitan Urology Associates

File View Options Help

::Locations List Screen::

Close Create new Location

Business Name	Address (Line 1)	City	State	Phone #1
Metropolitan Urology Associates	144 First Avenue	Boston	MA	(617) 999-2222
Lexington Urology Associates	777 Main Street	Lexington	MA	978-697-9999
Greater Boston Urology Associates	14 Fruit Street	Boston	MA	617-777-9999

9. **Location Screen** will appear with the information available for viewing/editing.

Location Screen

Location Profile
(Required entries in red)

Business Name	Greater Boston Urology Associates
Address (Line 1)	14 Fruit Street
Address (Line 2)	
City	Boston
State	MA
Zip	
Country	
Phone #1	(617) 777-9999
Phone #2	

10. Click **Close** when viewing/editing is complete.



11. Click **YES** on the **Save the data that was updated.**

Save the data that was updated

12. Click **Close** on the **Location List Screen** when creating/editing/viewing of Locations is complete.

CTS 1500® - Logged-in: Leonard Arthur Philips | Location: Metropolitan Urology Associates

File View Options Help

::Locations List Screen::

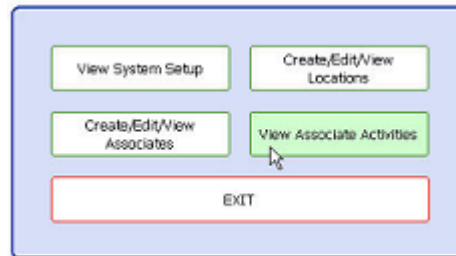
Business Name	Address (Line 1)	City	State	Phone #1
Metropolitan Urology Associates	144 First Avenue	Boston	MA	(617) 999-2222
Lexington Urology Associates	777 Main Street	Lexington	MA	978-897-9999
Greater Boston Urology Associates	14 Fruit Street	Boston	MA	(617) 777-9999

VIEW ASSOCIATE ACTIVITIES

1. Click **View Associate Activities**.



www.theprogrp.com



2. **View Associate Activities** will appear.

View Associate Activities

Select Search Type: Search By Associate

Choose Filters:

Associate	Associate Type	CTS 2000 ...	CTS 2000 Permit...	email	wireless
Jane Smith MD	Care Provider	YES	Admin		
Susan Phillips	Office Staff	NO	View	Admin	
Leonard Arthur Phil...	Care Provider	YES			

Activities:

☒ All Dates ☐ Custom Selection

Begin Date: 03/27/2009 mm/dd/yyyy TO End Date: 03/27/2009 mm/dd/yyyy

* If only 1 day, just use the same date for both controls.

FIND

Search Results:

Screen	Screen Belongs To	Activity	Access Time
--------	-------------------	----------	-------------

3. **Select Search Type** is used to **Search by Associate** or **Search by Patient**. Click the drop down arrow to expand the list and click an option.

CTS 1500® - Logged-in: Dumb Luck | Location: Metropolitan Urology Associates

File View Options Help

::View Associate Activity Screen::

Close Print Print Preview

View Associate Activities

Select Search Type: Search By Associate

Choose Filters: Search By Associate

Search By Patient

4. A list of associates or patients will appear. Double click on the associate or patient name. **Activities** will then populate with options depending on whether an Associate or Patient is selected and also the

Associate's permissions. Click on an option. In the example shown below, **Search by Associate**, Leonard Phillips MD, and **ALL Activity** is selected. Additionally, **Custom Selection** is selected and 03/03/2005 is keyed into **Begin Date** and 03/27/2009 is keyed into **End Date**. **All Dates** will return all activities for an associate or patient since the profile was created. **Custom Selection** can be used to narrow the scope of the search. Click **FIND**.

View Associate Activities

Select Search Type: Search By Associate

Choose Filters:

Associates:

Associate	Associate Type	CTS 1500 ...	CTS 1500 Permis...	allat1	writeless
Jane Smith RN	Care Provider	YES	Admin		
Susan Phillips	Office Staff	NO	View		
Leonard Arthur Phi...	Care Provider	YES	Admin		

Activities:

All Activity

☐ All Dates ☒ Custom Selection

Begin Date: 03/03/2005 mm/dd/yyyy TO End Date: 03/27/2009 mm/dd/yyyy

* If only 1 day, just use the same date for both controls.

FIND

5. The search found 265 records for Leonard Phillips MD for the time period. The **Search Results** listbox displays 28 records within the window. To view additional records use the scroll bar at the right of the window:

* If only 1 day, just use the same date for both controls. **FIND**

Search Results: 265 records found

Screen	Screen Exchange To	Activity	Access Time
System Access	Leonard Arthur Phillips		03/27/2009 06:10:23 PM
System Access	Leonard Arthur Phillips		03/26/2009 04:54:16 PM
System Access	Leonard Arthur Phillips		03/25/2009 04:45:07 PM
System Access	Leonard Arthur Phillips		03/24/2009 05:13:40 PM
System Access	Leonard Arthur Phillips		03/18/2009 06:10:12 PM
System Access	Leonard Arthur Phillips		03/12/2009 05:08:20 PM
System Access	Leonard Arthur Phillips		03/06/2009 05:11:12 PM
System Access	Leonard Arthur Phillips		02/26/2009 05:15:02 PM
System Access	Leonard Arthur Phillips		02/19/2009 05:05:27 PM
System Access	Leonard Arthur Phillips		02/10/2009 02:14:47 PM
System Access	Leonard Arthur Phillips		02/03/2009 10:54:12 AM
System Access	Leonard Arthur Phillips		02/02/2009 05:24:27 PM
System Access	Leonard Arthur Phillips		01/30/2009 04:58:46 PM
System Access	Leonard Arthur Phillips		01/29/2009 05:19:24 PM
System Access	Leonard Arthur Phillips		01/29/2009 12:27:11 PM
System Access	Leonard Arthur Phillips		01/18/2009 04:19:18 PM
System Access	Leonard Arthur Phillips		01/13/2009 04:13:11 PM
System Access	Leonard Arthur Phillips		01/03/2009 06:10:12 PM
System Access	Leonard Arthur Phillips		01/25/2009 03:20:09 AM
System Access	Leonard Arthur Phillips		02/07/2008 04:06:23 PM
PatientProfile	TheresaPatterson	002T	02/07/2008 04:05:17 PM
PatientProfile	Shirley White	002T	02/05/2009 02:02:42 PM
PatientProfile	Sally Smith	002T	02/25/2009 04:37:15 PM
PatientProfile	Sally Smith	002T	01/12/2009 11:13:48 AM
PatientProfile	Sarah White	002T	01/13/2009 11:56:01 PM
PatientProfile	Sonoma Blue	002T	01/11/2009 04:04:05 PM
PatientProfile	David Beck	002T	01/11/2009 04:10:02 PM

6. Double clicking on a record displaying **EDIT** in the **Activity** column will open **Patient Visit Edits Display** showing the addition or edit that was made to that record. Click **Print Preview** to preview the information in Adobe Reader. Click **Print** to print the information. Click **OK** to close.

Edit Display

Print **Print Preview**

Patient Visit Edits Display

Name: Sally Smith

Editor: Leonard Arthur Phillips MD

Associate: Leonard Arthur Phillips MD

Date/Time: 05/21/2010 10:18:56 AM

Location: Metropolitan Urology Associates 144 First Avenue Boston, MA 02040

Edit number 1

Question: treatment created

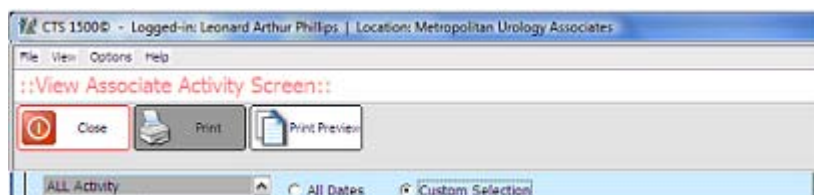
Previous Input:

New Input: Treatment modalities: Anorectal Manometry - EMG

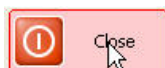
OK

7. Click **Print** on **View Associate Activity Screen** to print the entire list of activities. Click **Print Preview** to preview the information in Adobe Reader.

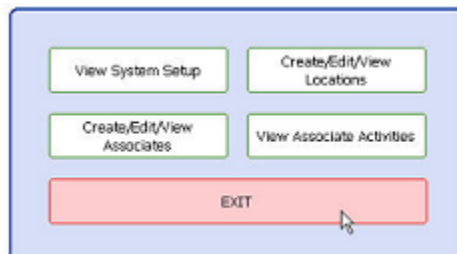




8. Click **Close**.



9. Click **EXIT** on the **CTS 1500 Tools** window to return to the Opening Screen.



Pelvic Muscle Rehabilitation

On the Pathway® CTS 1500 opening screen click **Start Here**.



CREATE A PATIENT



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1. Click **Create New Patient** to establish a new patient record. Go to the following section **SELECT AN EXISTING PATIENT** (page 29) to select an existing patient.

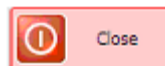
2. Enter the patient data. Red entries **MUST** be completed. The **Provider** selected should be the patient's primary provider. Create an **Associate Profile** if the provider does **NOT** appear on the list. Click **Save New Patient**. The **Patient Selection Screen** is now populated with the information.

NOTE: Red entries will vary depending on what is specified as **Unique Patient Identifiers**. In the example below, **Full Name** was specified and **Unique ID**, **Social Security Number** and **Date of Birth** were **NOT** specified.

3. Click **Create New Patient** and repeat Step 2 to create additional new patients.
4. To edit/review patient information click **Edit/Review Additional Patient Information**. The **Patient Information Screen** will open.

5. Patient information can be edited/reviewed as necessary. Click **Print** and **Print Preview** to print the patient information

6. Click **Close** when complete.



7. **Save the data that was updated** will appear. Click **YES** to exit and save the changes. Click **NO** to exit without saving the changes. Click **Cancel** to make additional changes. Click **YES**.

8. **Saving Patient Data** will appear

SELECT AN EXISTING PATIENT

1. Click the drop down arrow in the **Patient Last and First Name** line. Use the scroll bar to browse the list and click on the patient or key in the patient's last name in the **Patient Last and First Name** window. Key in the last name and then the first name if there is more than one patient with the same last name.

2. **Patient Selection** will automatically populate with the patient's information.



Patient Selection

(Required entries in red)

Patient Last and First Name:

Provider:

Patient Unique ID:

Patient social security number (000-00-0000):

Patient date of birth - (mm/dd/yyyy):

Location Patient Created:

Patient Profile first entry by:

☐ Show Inactive Patients

3. Click **Reset Patient Selection** to choose a different patient.

Reset Patient Selection

4. To place a patient on the inactive list, populate the **Patient Selection** screen with the patient and click **Edit/Review Additional Patient Information**. Click the drop down arrow in the **Active/Inactive Status** box and click **InActive**. Click the **Show InActive Patients** box on the **Patient Selection** screen to show the inactive patient list. Follow the same steps from the inactive patient list to return a patient to the active list clicking **Active** in the **Active/Inactive Status** box.

CREATE A PATIENT VISIT

Once a patient is selected **Create Patient Visit** is active and **Attachments** or **Launch CTS 1500 EMG/Stim Treatment** can be selected.

Create Patient Visit

Visit Attachments:

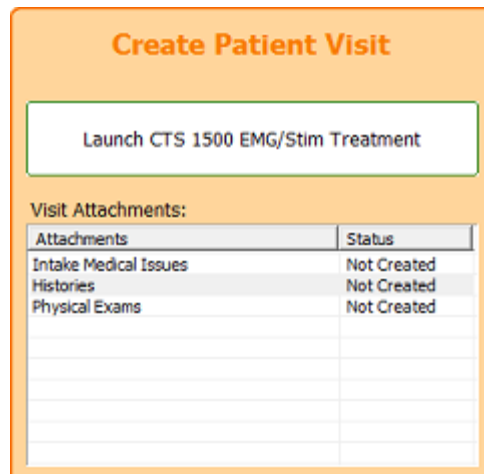
Attachments	Status
Intake Medical Issues	Not Created
Histories	Not Created
Physical Exams	Not Created

ATTACHMENTS



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1. **Three Attachments** are available: **Intake Medical Issues**, **Histories** and **Physical Exams**.



Create Patient Visit

Launch CTS 1500 EMG/Stim Treatment

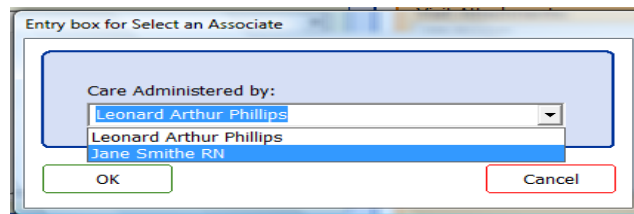
Visit Attachments:

Attachments	Status
Intake Medical Issues	Not Created
Histories	Not Created
Physical Exams	Not Created

2. **Intake Medical Issues**

- Double click **Intake Medical Issues**.
- Entry box for Select an Associate** will appear. Click the drop down arrow to expand the list. Click the correct associate. Click **OK**.

NOTE: Be sure to select the associate who is actually administering the patient care.



Entry box for Select an Associate

Care Administered by:

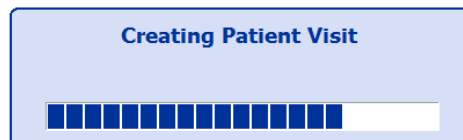
Leonard Arthur Phillips

Leonard Arthur Phillips

Jane Smith RN

OK Cancel

3. **Creating Patient Visit** will appear.



Creating Patient Visit

Progress bar with 15 blue segments and 5 white segments.

4. **Issues and Histories provided this visit** will appear. Enter the **Written description of chief complaint** by keying in the window. Complete the remainder by clicking on the drop down arrow and clicking an option. Add **comments** by keying in the selected window.

Issues and Histories provided this visit

Intake Medical Issues:

Written description of chief complaint

Duration of symptoms

Daytime voiding frequency

Nocturia

Average number of accidents

Average number of accidents comments

5. In the **What causes you to leak?** section use the scroll bar to access additional causes. Click on the cause(s) to select. Click on the selected cause(s) to deselect.
6. Click **Enter Additional Cause** and key in if the cause does not appear on the list. Click **OK**.

Type of pad predominantly used

Type of pad predominantly used comments

Has patient ever noticed any blood in urine?

If YES, action taken

Is the patient aware of the urine leakage?

Number of treated urinary tract infections in the past year

What causes you to leak?

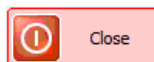
+ Enter Additional Cause

urgency
frequency
resting
coughing
exercising
laughing
lifting


Entry box for an additional Cause to Leak

OK Cancel

7. Click **Close**.



8. Click **Yes**.



Would you like to accept (i.e. cache) the changes to this attachment

YES
NO

9. When the **Patient Selection Screen** reappears.
- Create Patient Visit** becomes **Current Patient Visit** with a visit number, date and time.
 - The status of **Intake Medical Issues** is now **Cached** (saved in memory).
 - A **Care Administered by** box appears with the associate selected when accessing **Intake Medical Issues**

Current Patient Visit
Visit #1 on 05/19/2015 at 11:21:29 AM

Launch CTS 1500 EMG/Stim Treatment

Visit #1 Attachments:

Attachments	Status
Intake Medical Issues	Cached
Histories	Not Created
Physical Exams	Not Created

Care Administered by:

Jane Smithe RN

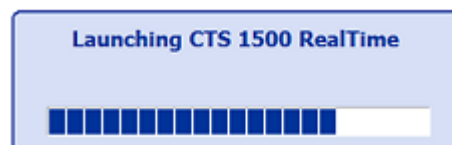
NOTE: Once **Intake Medical Issues** is completed, future patient visits will become **Current Medical Issues**.

Attachments can be completed prior to or after **Launch CTS 1500 EMG/Stim Treatment** or at a future time.

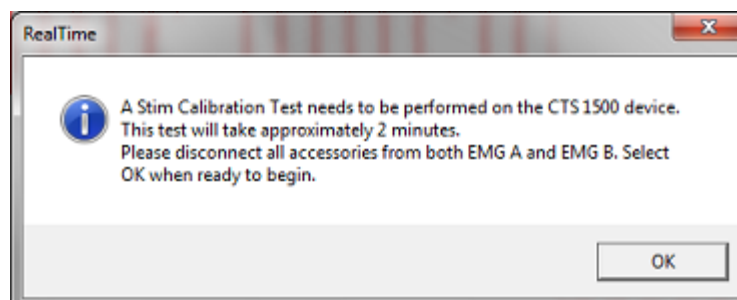
LAUNCH CTS 1500 EMG/STIM

1. Click **Launch CTS 1500 EMG/Stim Treatment**.

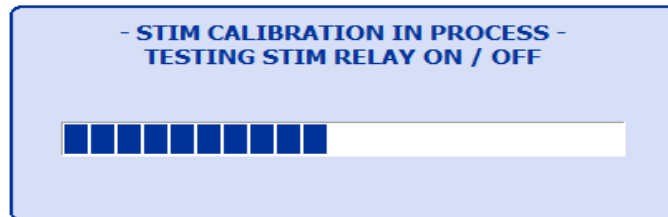
2. **Save the data that was updated** will appear. Click **Yes**. **Intake Medical Issues** will move from a **Cached** to a **Created** status.
3. **Launching CTS 1500 Realtime** will appear.



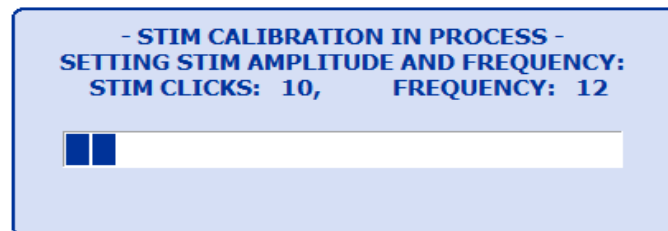
4. An automatic **Stimulation Calibration Test** is performed for the first launch of each day.
5. Click **OK**.



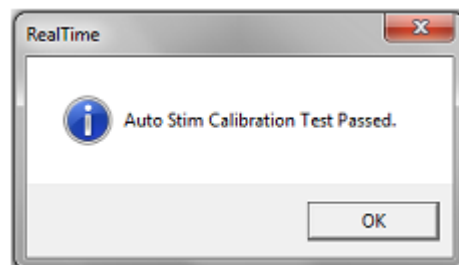
6. **STIM CALIBRATION IN PROCESS – TESTING STIM RELAY ON / OFF** will appear.



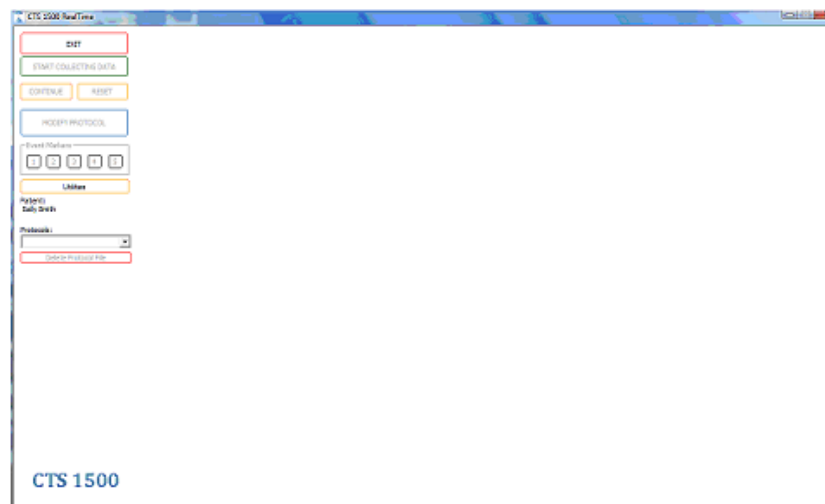
7. Followed by **STIM CALIBRATION IN PROCESS – SETTING STIM AMPLITUDE AND FREQUENCY**.



8. Once the stimulation values are calibrated **Auto Stim Calibration Test Passed** will appear. Click **OK**.

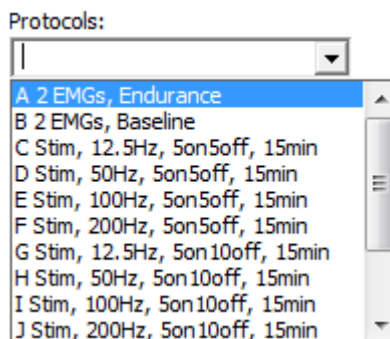


9. **CTS 1500 RealTime** will appear.



10. Click the drop down list arrow under **Protocols**.

11. Fourteen **Protocols** are available.



A 2 EMGs, Endurance provides two EMG channels integrated into a dual screen display acquiring data from **EMG A/STIM** and **EMG B. Endurance** describes a work (contract)/rest (relax) protocol for a specific number of trials (repetitions). This protocol has default values of 10 seconds work, 10 seconds rest and 20 trials.

B 2 EMGs, Baseline provides two EMG channels integrated into a dual screen display acquiring data from **EMG A/STIM** and **EMG B. Baseline** describes a continuous (non-work/rest) protocol.

C Stim, 12.5Hz, 5on5off, 15min provides synchronous EMG and stimulation integrated into a single screen display acquiring data from the **EMG A/Stim. 12.5Hz** denotes the frequency of stimulation. **5on5off** denotes the stimulation on and off time in seconds. EMG is provided during the stimulation off time to measure muscle strength, fatigue or awareness. **15min** denotes the total treatment time of 15 minutes.

D Stim, 50Hz, 5on5off, 15 min provides synchronous EMG and stimulation integrated into a single screen display acquiring data from the **EMG A/Stim. 50Hz** denotes the frequency of stimulation. **5on5off** denotes the stimulation on and off time in seconds. EMG is provided during the stimulation off time to measure muscle strength, fatigue or awareness. **15min** denotes the total treatment time of 15 minutes.

E Stim, 100Hz, 5on5off, 15 min provides synchronous EMG and stimulation integrated into a single screen display acquiring data from the **EMG A/Stim. 100Hz** denotes the frequency of stimulation. **5on5off** denotes the stimulation on and off time in seconds. EMG is provided during the stimulation off time to measure muscle strength, fatigue or awareness. **15min** denotes the total treatment time of 15 minutes.

F Stim, 200Hz, 5on5off, 15 min provides synchronous EMG and stimulation integrated into a single screen display acquiring data from the **EMG A/Stim. 200Hz** denotes the frequency of stimulation. **5on5off** denotes the stimulation on and off time in seconds. EMG is provided during the stimulation off time to measure muscle strength, fatigue or awareness. **15min** denotes the total treatment time of 15 minutes.

G Stim, 12.5Hz, 5on10off, 15 min provides synchronous EMG and stimulation integrated into a single screen display acquiring data from the **EMG A/Stim. 12.5Hz** denotes the frequency of stimulation. **5on10off** denotes the stimulation on and off time in seconds. EMG is provided during the stimulation off time to measure muscle strength, fatigue or awareness. **15min** denotes the total treatment time of 15 minutes.

H Stim, 50Hz, 5on10off, 15 min provides synchronous EMG and stimulation integrated into a single screen display acquiring data from the **EMG A/Stim. 50Hz** denotes the frequency of stimulation. **5on10off** denotes the stimulation on and off time in seconds. EMG is provided during the stimulation off time to measure muscle strength, fatigue or awareness. **15min** denotes the total treatment time of 15 minutes.



I Stim, 100Hz, 5on10off, 15 min provides synchronous EMG and stimulation integrated into a single screen display acquiring data from the **EMG A/Stim**. **100Hz** denotes the frequency of stimulation. **5on10off** denotes the stimulation on and off time in seconds. EMG is provided during the stimulation off time to measure muscle strength, fatigue or awareness. **15min** denotes the total treatment time of 15 minutes.

J Stim, 200Hz, 5on10off, 15 min provides synchronous EMG and stimulation integrated into a single screen display acquiring data from the **EMG A/Stim**. **200Hz** denotes the frequency of stimulation. **5on10off** denotes the stimulation on and off time in seconds. EMG is provided during the stimulation off time to measure muscle strength, fatigue or awareness. **15min** denotes the total treatment time of 15 minutes.

K Stim, 12.5Hz, Continuous, 15 min provides stimulation on a single screen display acquiring data from the **EMG A/Stim**. **12.5Hz** denotes the frequency of stimulation. **Continuous** denotes continuous stimulation. **15min** denotes the total treatment time of 15 minutes.

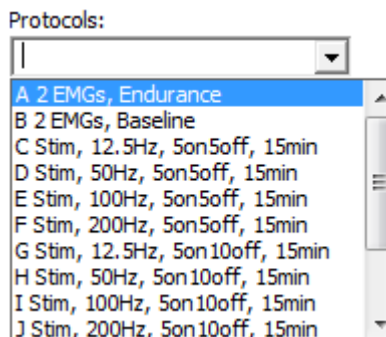
L Stim, 50Hz, Continuous, 15 min provides stimulation on a single screen display acquiring data from the **EMG A/Stim**. **50Hz** denotes the frequency of stimulation. **Continuous** denotes continuous stimulation. **15min** denotes the total treatment time of 15 minutes.

M Stim, 100Hz, Continuous, 15 min provides stimulation on a single screen display acquiring data from the **EMG A/Stim**. **100Hz** denotes the frequency of stimulation. **Continuous** denotes continuous stimulation. **15min** denotes the total treatment time of 15 minutes.

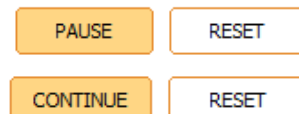
N Stim, 200Hz, Continuous, 15 min provides stimulation on a single screen display acquiring data from the **EMG A/Stim**. **200Hz** denotes the frequency of stimulation. **Continuous** denotes continuous stimulation. **15min** denotes the total treatment time of 15 minutes.

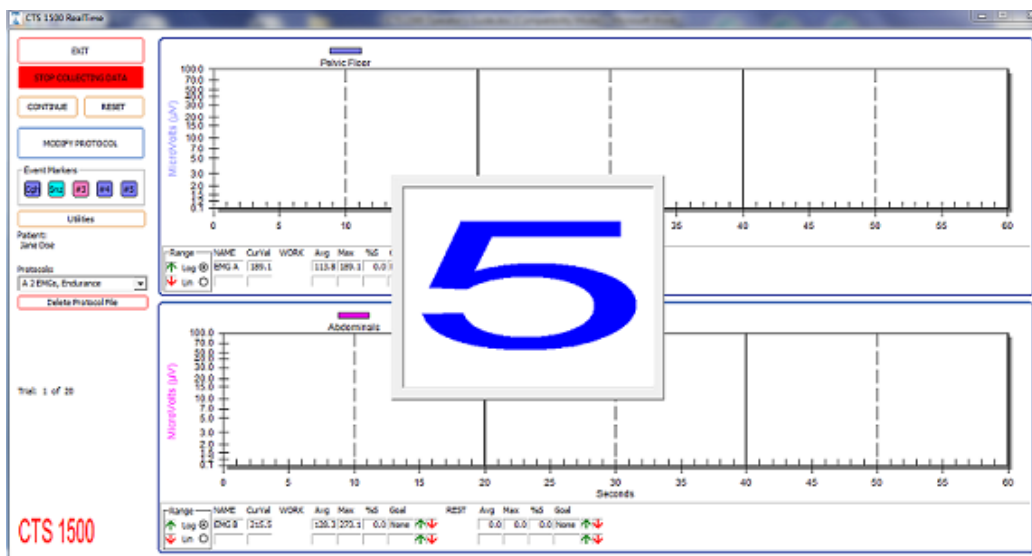
A 2EMGs, Endurance

1. Click **A 2EMGs, Endurance**

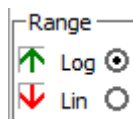


2. The screen will be active and begin data collection. A 5 second countdown will start followed by the first 10 second work interval. Click **PAUSE** to freeze the display (**PAUSE** will now read **CONTINUE**). Click **CONTINUE** to resume the display. Click **RESET** to restart the display. Click **STOP COLLECTING DATA** to stop a treatment.





- The top graph displays the **EMG A** channel and the bottom graph the **EMG B** channel. The **EMG A** channel measures the muscle activity of the **Pelvic Floor** in μV (microvolts) and the **EMG B** channel measures the activity of the accessory muscle (in this example **Abdominals**) in μV .
- The total μV **Range** for **EMG A** and **EMG B** is $.1\text{--}1000\mu\text{V}$ with a display default range of $.1\text{--}100\mu\text{V}$. If a **Range** change is required, click the **Up Arrow** in the **Range** box to increase, the **Down Arrow** to decrease.



- To the right of the **Range** box, the current value (**CurVal**) in μV for each channel is displayed.

NAME	CurVal
EMG A	55.8
EMG B	41.2

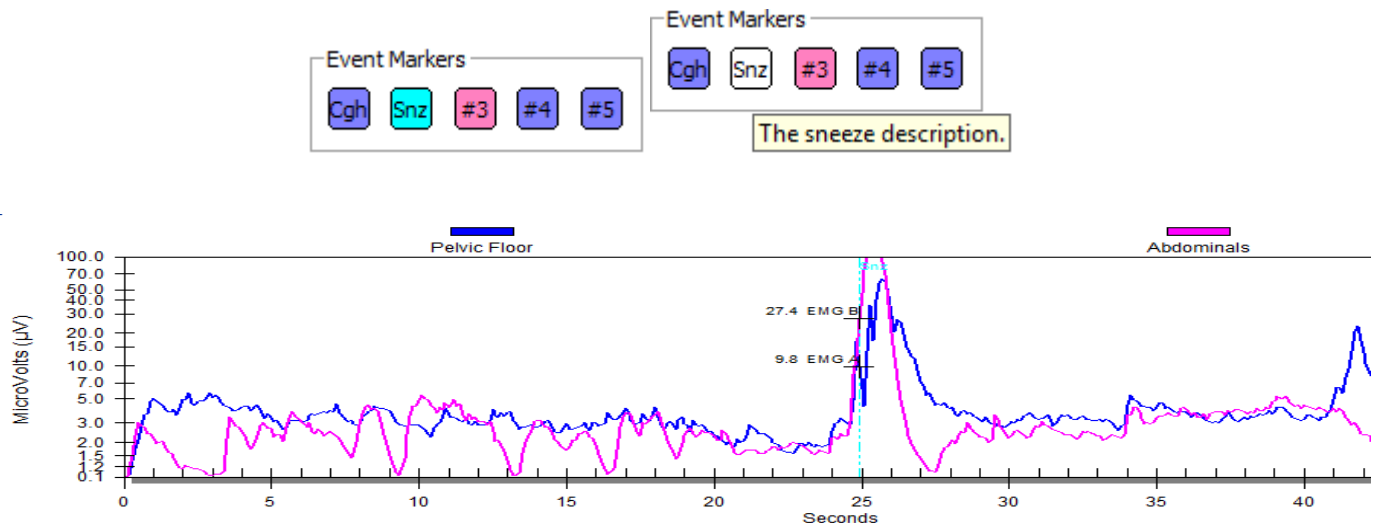
- To the right of the **CurVal**, a work/rest protocol activates both the **WORK** and **REST** average (**Avg**) and maximum (**Max**) μV display.

WORK	Avg	Max	REST	Avg	Max
	478.8	511.8		486.4	512.7
	606.4	677.3		617.6	681.1

- To the right of **Avg** and **Max** are **%S** and **Goal** columns. A treatment goal can be established in μV for each channel and, in this case, for BOTH **WORK** and **REST** intervals. The treatment goal will appear as a line on the graph. The **%S** will track the percentage success in attaining the treatment goal and the **Goal** column will display whether the treatment goal is to contract **AbvTn** (above) the goal or relax **BlwTn** (below). Successfully meeting a goal triggers audio feedback. If more than one goal is set, the audio feedback will be matrixed so that all goals must be met simultaneously. Click the **Up** and **Down Arrows** to move the goal line.

Avg	Max	%S	Goal	REST	Avg	Max	%S	Goal
47.8	62.3	100.0	AbvTn		0.0	0.0	0.0	BlwTn

8. **Event Markers** mark anomalies such as the patient coughing, sneezing or moving. Click on an event marker. This will place a marker line on the graph. In this example, **Snz** (Sneeze) is selected.



9. The current **Trial** number is displayed. The total number of trials is 20.

Trial: 1 of 20

10. A work/rest protocol activates a **WORK** and **REST** countdown as well as audio cues delineating the beginning of a work or rest interval.

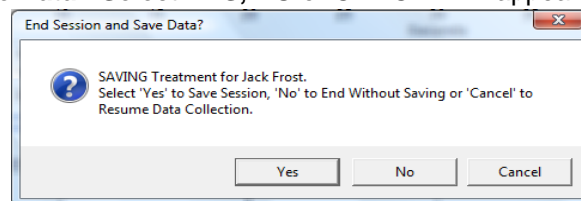
WORK 8 or **REST** 8

11. Click **STOP COLLECTING DATA** at any time to truncate the treatment.

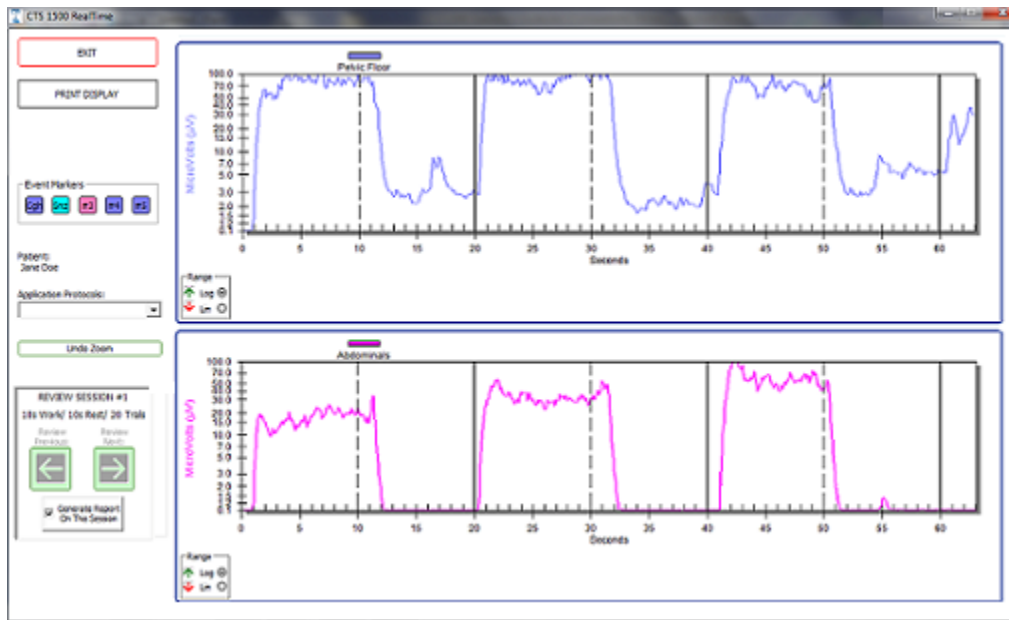
STOP COLLECTING DATA

12. The treatment will automatically end once 20 trials are complete. Click **STOP COLLECTING DATA**.

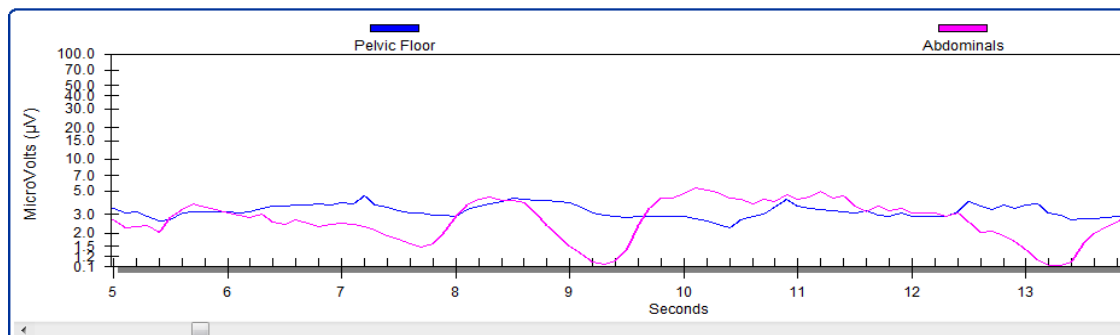
13. **End Session and Save Data? Select YES, NO or CANCEL** will appear.



14. Click **Yes** and a **Review Screen** will appear.



15. **Zoom** is available to magnify a portion of the graph display.
16. Place the cursor on the graph at the beginning point (must be just past the 0 ordinate). Hold down the left mouse button. The cursor will change to a magnifying glass. Drag the magnifying glass to the desired right most position. Release. The selected portion of the graph will fill the window. Repeat to expand this area further.
17. A scroll bar now appears at the bottom of the graph. The entire treatment may be viewed in the zoomed mode by using the scroll bar.



18. To add an **Event Marker** click the desired marker. The cursor inside the graph will change to a pointing finger with the marker line. Move the pointing finger to the desired marker location and double click.
19. To move an **Event Marker**, place the cursor over the marker line. The cursor will change to a pointing finger. Double Click, the line will change from a solid to a dotted line. Move the pointing finger and the marker line will also move. Move the pointing finger to the desired marker location and double click.
20. To delete an **Event Marker** double click the marker line then press the **Delete** key on the keyboard.
21. Click **Undo Zoom** to return the graph to the original view.

22. Click **PRINT DISPLAY** if a printed screen copy is needed.

PRINT DISPLAY

23. While in the review window another treatment may be launched. The user may launch, complete, save, review and edit up to **SIX** treatments of any combination within a single session.

Protocols:

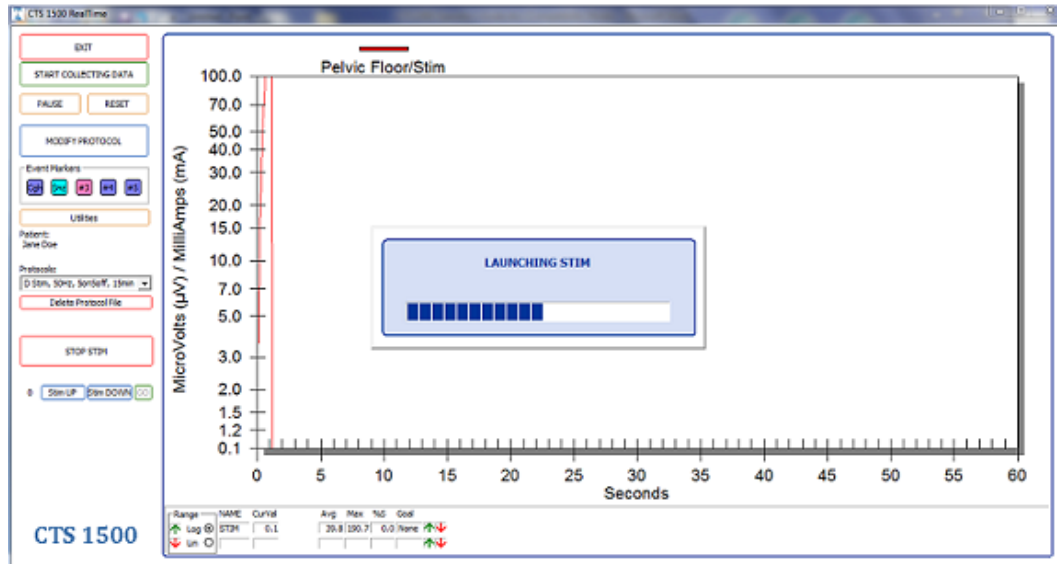
H Stim, 50Hz, 5on10off, 15min

1. Click H Stim, 50Hz, 5on10off, 15min

Protocols:

- A 2 EMGs, Endurance
- B 2 EMGs, Baseline
- C Stim, 12.5Hz, 5on5off, 15min
- D Stim, 50Hz, 5on5off, 15min
- E Stim, 100Hz, 5on5off, 15min
- F Stim, 200Hz, 5on5off, 15min
- G Stim, 12.5Hz, 5on10off, 15min
- H Stim, 50Hz, 5on10off, 15min**
- I Stim, 100Hz, 5on10off, 15min
- J Stim, 200Hz, 5on10off, 15min

2. **LAUNCHING STIM** will appear.



3. The screen will be active and begin data collection.
4. Click **Stim UP** until the required level of stimulation amplitude is reached. Note the level on the amplitude counter. Each click increases the stimulation amplitude one MilliAmp (mA). **Stim DOWN** functions the same to decrease the stimulation amplitude.

0 **Stim UP** **Stim DOWN** **GO**

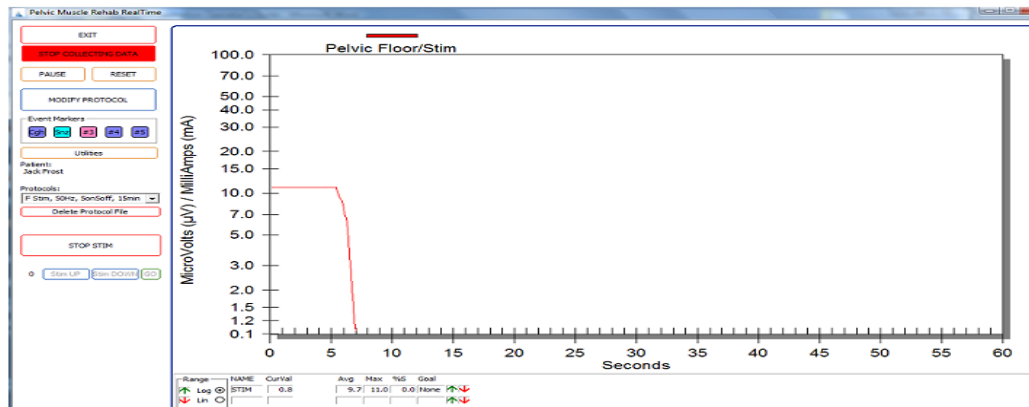
The
PROMETHEUS
GROUP

www.theprogrp.com

5. Once the required stimulation amplitude is reached, click **GO**.

GO

6. The 15 minute stimulation session will begin.



7. Click **PAUSE** to freeze the display (**PAUSE** will now read **CONTINUE**). Stimulation will stop. Click **CONTINUE** to resume the display. Stimulation will resume. Click **RESET** to restart the display. Stimulation will restart.

CONTINUE

RESET

PAUSE

RESET

8. The stimulation amplitude can be adjusted during the treatment. **Stim UP** and **Stim DOWN** will be active only when stimulation has reached the peak amplitude set by clicking **GO**. During ramp up, ramp down and EMG, **Stim UP** and **Stim DOWN** are NOT active.
9. Click **STOP STIM** at any time to truncate the stimulation treatment.

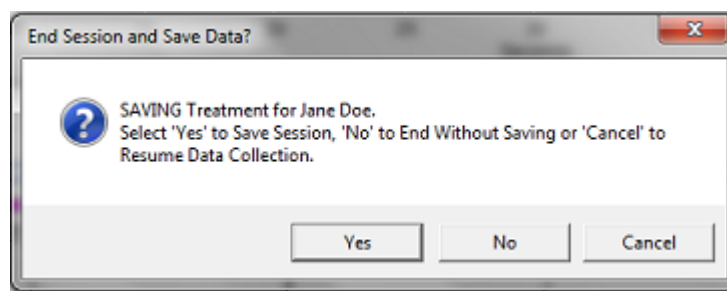
STOP STIM

10. EMG will remain active on the display. **STOP STIM** now becomes **START STIM**. Click **START STIM** to start a new treatment or **STOP COLLECTING DATA** to end the treatment.

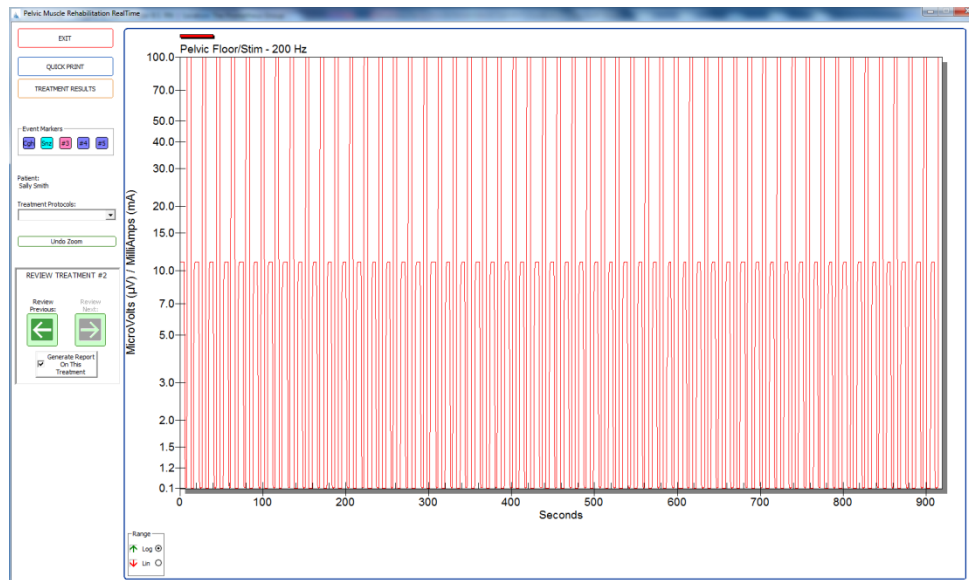
START STIM

STOP COLLECTING DATA

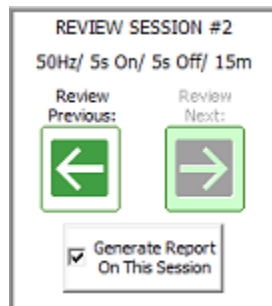
11. Whether the treatment is truncated or runs the full 15 minutes, stimulation will stop and EMG will remain active on the display. Click **STOP COLLECTING DATA** to end the treatment.
12. **End Session and Save Data?** Select **YES**, **NO** or **CANCEL** will appear.



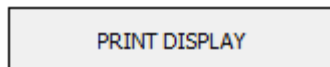
13. Click **Yes** and a review screen will appear.



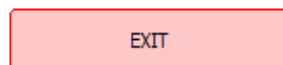
14. Now that two treatments are saved, the previous treatment may be reviewed by clicking on the **Review Previous** green arrow. A **Review Next** green arrow is provided as well. In the **REVIEW SESSION** area the **Generate Report On This Session** has a check mark. Click the check mark to remove this treatment from inclusion in generated documents. Click to restore the check mark.



15. The zoom, **Undo Zoom** and **Event Markers** functions are active for each treatment.
16. Click **PRINT DISPLAY** if a printed screen copy is needed.



17. Click **Exit** once all treatments and changes are complete.



18. **Patient Selection Screen** will appear. In **Current Patient Visit**, **Diagnosis and Plan of Care**, **Session Evaluation** and **Exercise Prescription** attachments have been added.

Current Patient Visit
Visit #1 on 05/19/2015 at 11:21:29 AM

Launch/Edit/Review CTS 1500 Treatment

Visit #1 Attachments:

Attachments	Status
Intake Medical Issues	Created
Histories	Not Created
Physical Exams	Not Created
Diagnosis and Plan of Care	Not Created
Session Evaluation	Not Created
Exercise Prescription	Not Created

DIAGNOSIS AND PLAN OF CARE

1. Double click **Diagnosis and Plan of Care**.

Current Patient Visit
Visit #1 on 05/19/2015 at 11:21:29 AM

Launch/Edit/Review CTS 1500 Treatment

Visit #1 Attachments:

Attachments	Status
Intake Medical Issues	Created
Histories	Not Created
Physical Exams	Not Created
Diagnosis and Plan of Care	Not Created
Session Evaluation	Not Created
Exercise Prescription	Not Created

2. **Procedures Administered this Visit** will open. Complete **Diagnosis** by clicking the appropriate option(s). Use the scroll bar if necessary. Click on a selected option(s) to deselect.

Procedures Administered this Visit

Diagnosis:

Select the appropriate Diagnosis from the list

ICD-9 Code	Description
788.36	Nocturnal Enuresis
564.00	Constipation Unspecified
787.6	Incontinence of Feces
185	Prostate Cancer
564.01	Constipation Slow Transit
564.02	Constipation Outlet Dysfunction

Plan of Care:

Additional patient notes for follow-up visit

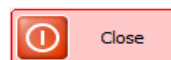
3. **Plan of Care: Additional patient notes for follow-up visit** allows the input of commonly used terms or phrases which, after entered and clicked on, appear in **Additional patient notes for follow-up visit** for further editing.

Plan of Care:

Additional patient notes for follow-up visit

Weak Pelvic Floor Activity

4. **Additional patient notes for follow-up visit** terms and phrases automatically carry forward for use with all subsequent treatments.
5. Click **Close**.



6. Click **YES**.

?

Would you like to accept (i.e. cache) the changes to this attachment

YES

NO

7. **Diagnosis and Plan of Care** is now **Cached**.

Current Patient Visit
Visit #1 on 05/19/2015 at 11:21:29 AM

Launch/Edit/Review CTS 1500 Treatment

Visit #1 Attachments:

Attachments	Status
Intake Medical Issues	Created
Histories	Not Created
Physical Exams	Not Created
Diagnosis and Plan of Care	Cached
Session Evaluation	Not Created
Exercise Prescription	Not Created

SESSION EVALUATION

1. Double click **Session Evaluation**.

Current Patient Visit
Visit #1 on 05/19/2015 at 11:21:29 AM

Launch/Edit/Review CTS 1500 Treatment

Visit #1 Attachments:

Attachments	Status
Intake Medical Issues	Created
Histories	Not Created
Physical Exams	Not Created
Diagnosis and Plan of Care	Cached
Session Evaluation	Not Created
Exercise Prescription	Not Created

2. **Procedures Administered this Visit** will open.

- Complete **EMG Evaluation** by selecting from drop down menus. **Additional Comments** allows the input of commonly used terms or phrases which, after entered and clicked on, appear in the **Additional Comments** for further editing.

Procedures Administered this Visit

EMG Evaluation:

Probe placement

Is there a consistent baseline

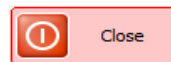
Patient able to identify pelvic floor muscle

Is pelvic floor muscle training necessary

Additional Comments

Muscle reading

- Additional Comments** terms and phrases automatically carry forward for use with all subsequent treatments.
- Click **Close**.



- Click **YES**.

Would you like to accept (i.e. cache) the changes to this attachment

- Session Evaluation** is now **Cached**.

Current Patient Visit
Visit #1 on 05/19/2015 at 11:21:29 AM

Launch/Edit/Review CTS 1500 Treatment

Visit #1 Attachments:

Attachments	Status
Intake Medical Issues	Created
Histories	Not Created
Physical Exams	Not Created
Diagnosis and Plan of Care	Cached
Session Evaluation	Cached
Exercise Prescription	Not Created



EXERCISE PRESCRIPTION

1. Double click **Exercise Prescription**.

Current Patient Visit
Visit #1 on 05/19/2015 at 11:21:29 AM

Launch/Edit/Review CTS 1500 Treatment

Visit #1 Attachments:

Attachments	Status
Intake Medical Issues	Created
Histories	Not Created
Physical Exams	Not Created
Diagnosis and Plan of Care	Cached
Session Evaluation	Cached
Exercise Prescription	Not Created

2. **Procedures Administered this Visit** will open.
3. Complete the **Exercise Prescription** from drop down menus and input boxes.

Procedures Administered this Visit

Exercise Prescription:

Pelvic floor muscle contraction repetitions recommendation

Pelvic floor muscle contraction work/rest ratio (seconds) Work Rest

Pelvic floor muscle contraction daily frequency

Pelvic floor muscle quick flick repetitions

Pelvic floor muscle quick flick work/rest ratio (seconds) Work Rest

Pelvic floor muscle quick flick daily frequency

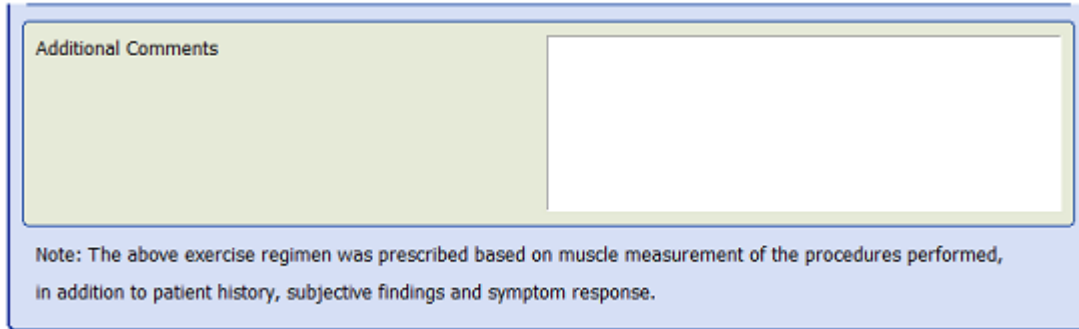
Voiding Diary

Home Unit Prescribed

4. If a **Voiding Diary** is required select **yes**.

Voiding Diary

5. **Additional Comments** allows the input of commonly used terms or phrases which, after entered and clicked on, appear in the **Additional Comments** for further editing.



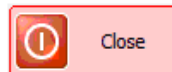
Additional Comments

Note: The above exercise regimen was prescribed based on muscle measurement of the procedures performed, in addition to patient history, subjective findings and symptom response.

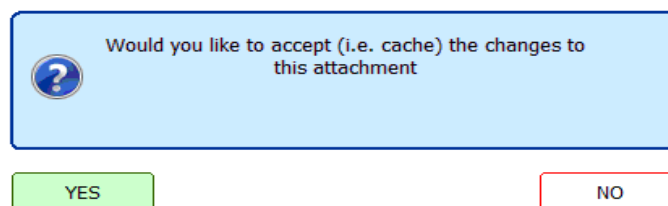
6. **Additional Comments** terms and phrases automatically carry forward for use with all subsequent treatments.

NOTE: For comparison and progress tracking, the **previous Exercise Prescription** will show in red on the **Exercise Prescription** screen.

7. Click **Close**.



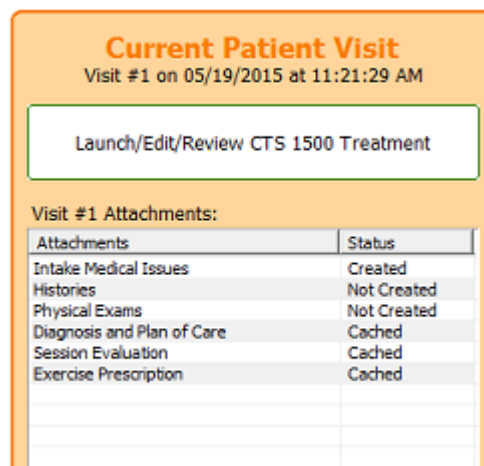
8. Click **YES**.



Would you like to accept (i.e. cache) the changes to this attachment

YES NO

9. **Exercise Prescription** is now **Cached**.



Current Patient Visit
Visit #1 on 05/19/2015 at 11:21:29 AM

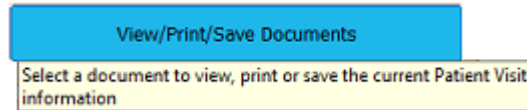
Launch/Edit/Review CTS 1500 Treatment

Visit #1 Attachments:

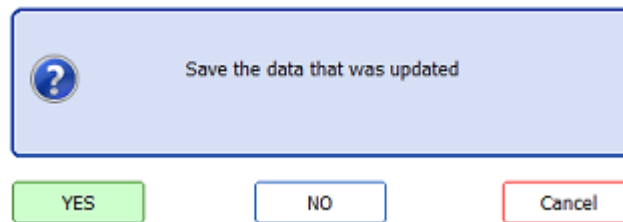
Attachments	Status
Intake Medical Issues	Created
Histories	Not Created
Physical Exams	Not Created
Diagnosis and Plan of Care	Cached
Session Evaluation	Cached
Exercise Prescription	Cached

Opening Documents

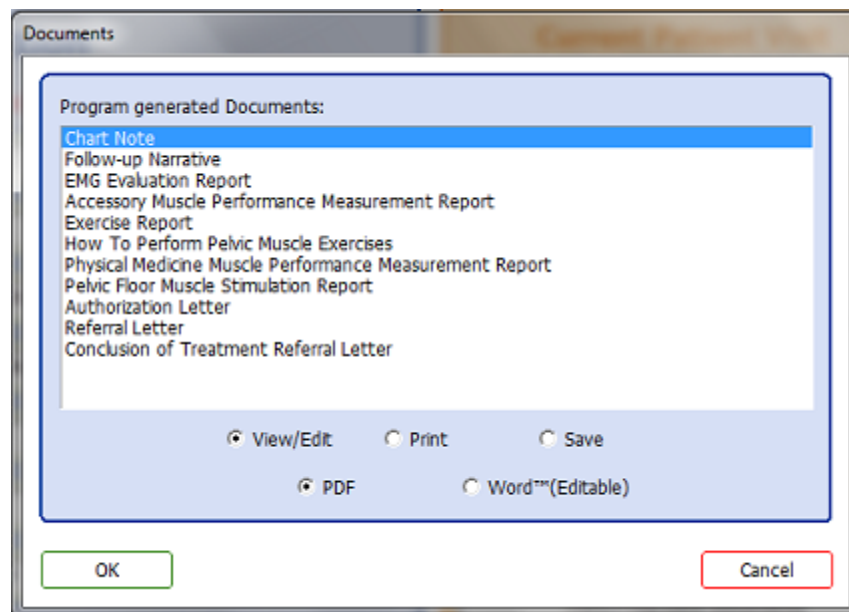
1. The program automatically compiles patient and provider information, **Attachments** and treatment results to generate documents in Adobe® Acrobat® **PDF** or **Word™ (Editable)** file format. **Documents** can be viewed, edited, printed and saved to another location. To open **Documents**, click **View/Print/Save Documents**.



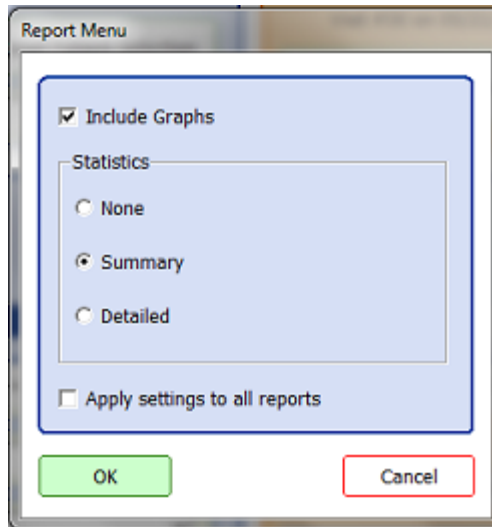
2. **Save the data that was updated** will appear. Click **YES**. This will move all **Attachments** from a **Cached** to a **Created** status.



3. A **Documents** window will appear. Choose **View/Edit**, **Print** or **Save** in a **PDF** or **Word™ (Editable)** format. Only the **Word™ (Editable)** format will activate the **Edit** function for the **View/Edit** option. A comprehensive list of **Documents** include: **Chart Note**, **Intake Narrative**, **EMG Evaluation Report**, **Accessory Muscle Performance Measurement Report**, **Exercise Report**, **How To Perform Pelvic Muscle Exercises**, **Physical Medicine Muscle Performance Measurement Report**, **Pelvic Floor Muscle Stimulation Report**, **Authorization Letter**, **Referral Letter** and **Conclusion of Treatment Referral Letter**. A single **Document** or **Documents** in any combination can be accessed by clicking on the individual **Documents**. The selected **Document(s)** will be highlighted. To deselect click on the highlighted **Document(s)**.
4. In this example **Chart Note**, **View/Edit** and **PDF** are selected. Click **OK**.



5. **Report Menu** will appear. Click on the provided options. Click **OK**.

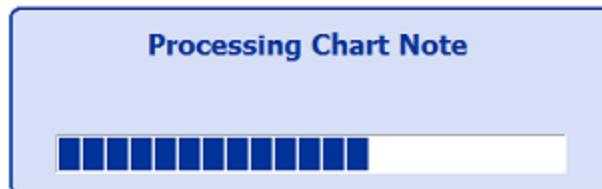


The **Report Menu** dialog box contains the following options:

- ☒ Include Graphs
- Statistics:
 - ☐ None
 - ☒ Summary
 - ☐ Detailed
- ☐ Apply settings to all reports

Buttons: **OK** (green), **Cancel** (red)

6. **Processing Chart Note** will appear.



7. The **Chart Note** will be generated. To print, click on the printer icon on the top toolbar or click **File** on the top toolbar and click **Print**. The **Chart Note** can also be printed directly from **Program generated Documents**.

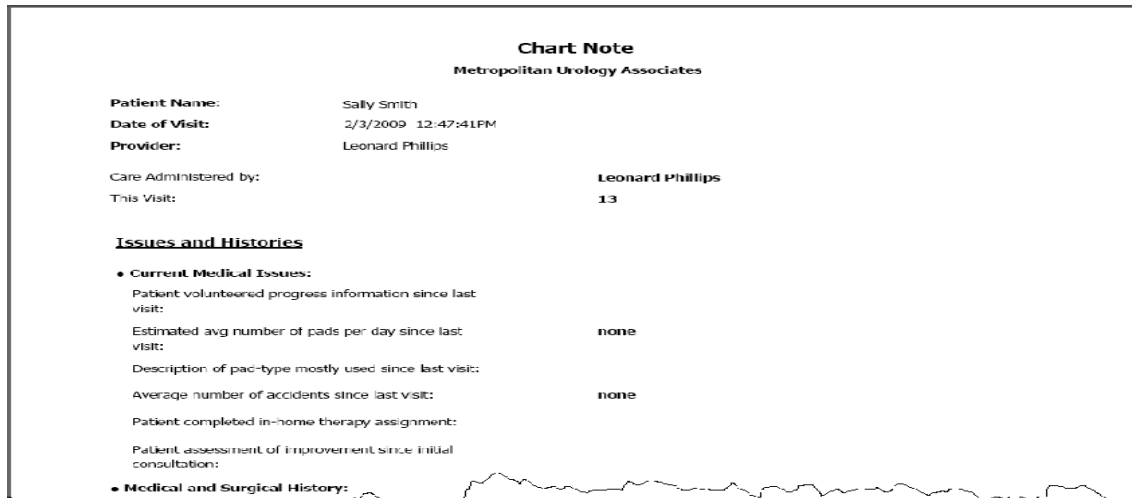


Chart Note
Metropolitan Urology Associates

Patient Name: Sally Smith
Date of Visit: 2/3/2009 12:47:41PM
Provider: Leonard Phillips

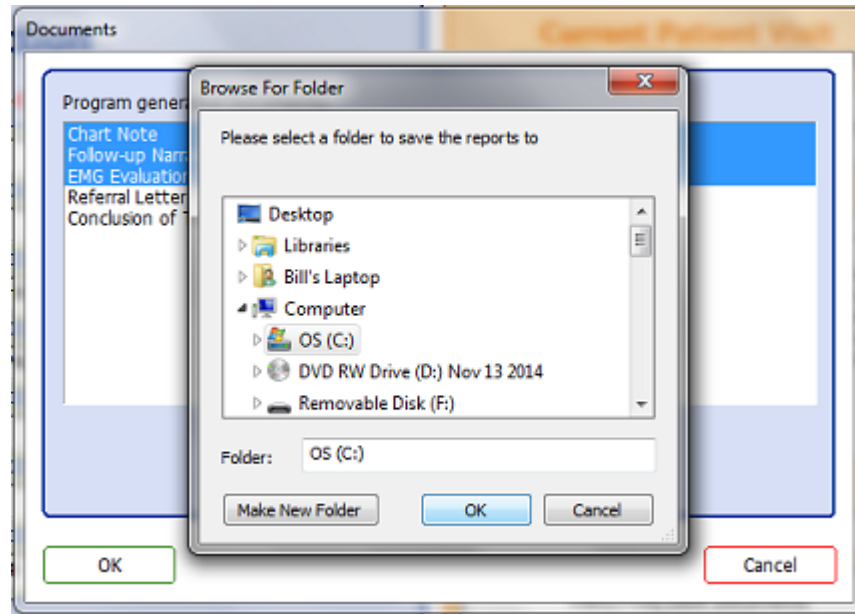
Care Administered by: Leonard Phillips
This Visit: 13

Issues and Histories

- **Current Medical Issues:**
 - Patient volunteered progress information since last visit:
 - Estimated avg number of pads per day since last visit: none
 - Description of pad-type mostly used since last visit:
 - Average number of accidents since last visit: none
 - Patient completed in-home therapy assignment:
 - Patient assessment of improvement since initial consultation:
- **Medical and Surgical History:**

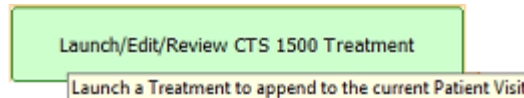
NOTE: Exit the PDF document by clicking on the  in the upper right hand corner of the screen.

8. All the information imputed in the **Attachments** is included in a comprehensive format on selected **Documents** along with the graph and statistical information gathered during the session.
9. Clicking **Save** from **Program generated Documents** brings up **Browse for Folder** to **Save** and transfer documents to another location.

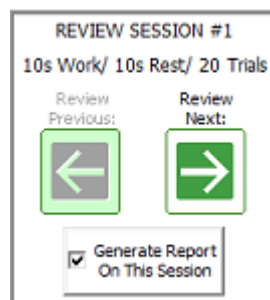


Review Current Visit

1. Click **Launch/Edit/Review CTS 1500 Treatment**.



2. If there are multiple treatments, toggle between treatments to review or edit by selecting **Review Previous** or **Review Next**. All treatments, whether **Generate Report On This Treatment** is checked or not, are shown for edit/review. Full review screen edit capabilities are active



3. Click **Exit** when the review/edit of these treatments is complete. **Patient Selection Screen** will appear.

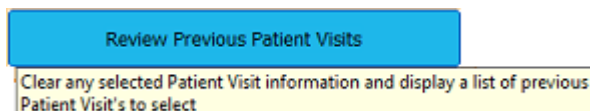
EXIT

- Attachments** can be created, edited and added to the current session. To create or edit an attachment double click on that attachment. Enter the needed information. Refer to the **Attachments** section for further information.
- Click **Close**. Select **Yes** to accept or **No** to not accept the changes/additions made.



Review Previous Visits

- Click **Review Previous Visits**.



- Patient Visit List Screen** will appear. To review a specific visit, double click on that visit. The **Patient Selection Screen** will appear.

CTS 1500® - Logged-in: Group Pro | Location: Metropolitan Urology Associates

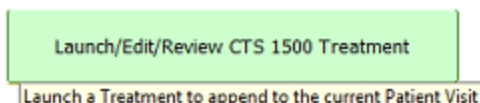
File View Options Help

::Patient Visit List Screen::

Close

Visit	Created Date/Time	Associate	Procedure Information
Intake Visit	06/02/2011 12:26:53 PM	Leonard Arthur Phillips MD	
Visit 2	06/02/2011 02:07:42 PM	Leonard Arthur Phillips MD	W/R: EMG A & B
Visit 3	06/02/2011 02:08:24 PM	Leonard Arthur Phillips MD	
Visit 4	06/02/2011 04:28:20 PM	Leonard Arthur Phillips MD	
Visit 5	06/02/2011 04:36:40 PM	Leonard Arthur Phillips MD	W/R: EMG A & B
Visit 6	06/02/2011 06:34:48 PM	Leonard Arthur Phillips MD	W/R: EMG A & B
Visit 7	06/03/2011 09:43:28 AM	Leonard Arthur Phillips MD	
Visit 8	06/03/2011 09:54:59 AM	Leonard Arthur Phillips MD	Cont: EMG A/Stm - Cont: EMG A/Stm
Visit 9	06/03/2011 09:57:51 AM	Leonard Arthur Phillips MD	
Visit 10	06/03/2011 11:00:46 AM	Leonard Arthur Phillips MD	
Visit 11	06/03/2011 11:30:51 AM	Leonard Arthur Phillips MD	W/R: EMG A & B
Visit 12	06/03/2011 05:02:34 PM	Jane Smith RN	W/R: EMG A & B

- Click **Launch/Edit/Review CTS 1500 Treatment**.



- Follow the steps outlined in **Review Current Visit**.

Review Patients By Date

1. Click **Review Patients By Date**.

2. Click **All Dates** or **Custom Selection**. **Custom Selection** activates **Begin Date** and **End Date** calendars.

3. Click **Find**. **Search Results** will be populated.

FIND

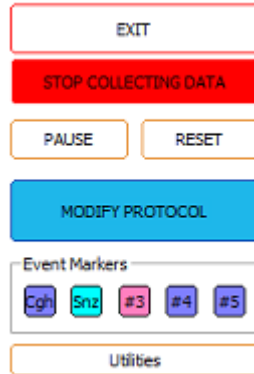
4. **Search Results** can be sorted. Clicking **Patient Name** and **Associate Name** will organize these categories in alphabetical order. Clicking **Date of Visit** will organize by either ascending or descending date.

5. Double click on a record, launch the edit/review from the **Patient Selection Screen** with the same capabilities as described in the **Review Current Visit** section.

Review Patients By Date	Review Previous Patient	Review Next Patient	Selects the Next Patient in the Review Patients by Date list
-------------------------	-------------------------	---------------------	--

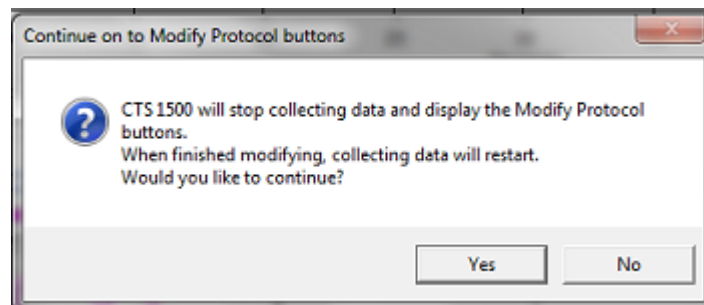
- NOTE: Create New Visit** appears when accessing either **Review Previous Patient** or **Review Patients By Date** for other than the current date.

1. Click on the protocol to modify from the **Treatment Protocols** list. Click **MODIFY PROTOCOL** once the display becomes active.

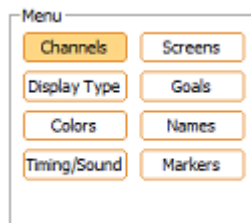


NOTE: Always select the correct protocol as a template/starting point (ie. **Work/Rest**, **Resting/Baseline**, **On/Off Stim** or **Continuous Stim Protocol**). Once all changes have been made, **Rename** and **Save** the newly created **Protocol**. If the protocol name is **NOT** Renamed the original protocol will be overwritten with any and all changes made.

2. Continue on to **Modify Protocol** buttons will appear. Click **YES**.



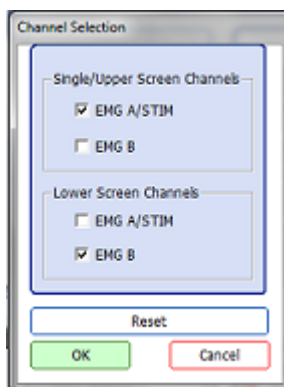
3. The modify protocol **Menu** will appear.



NOTE: **Stim Menu** will only show if a stim protocol is selected. If a stim protocol is selected **Stop Stim** **MUST** be clicked before clicking **Modify Protocol**.

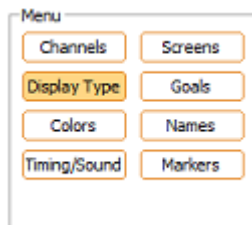
CHANNELS

1. Click **Channels**.
2. **Channel Selection** will appear. Select which **Channel(s)** appear on the graph and on which screen (if **Dual Screen**) by clicking in the appropriate box. Deselect a **Channel** by clicking the check mark. Click **OK**.

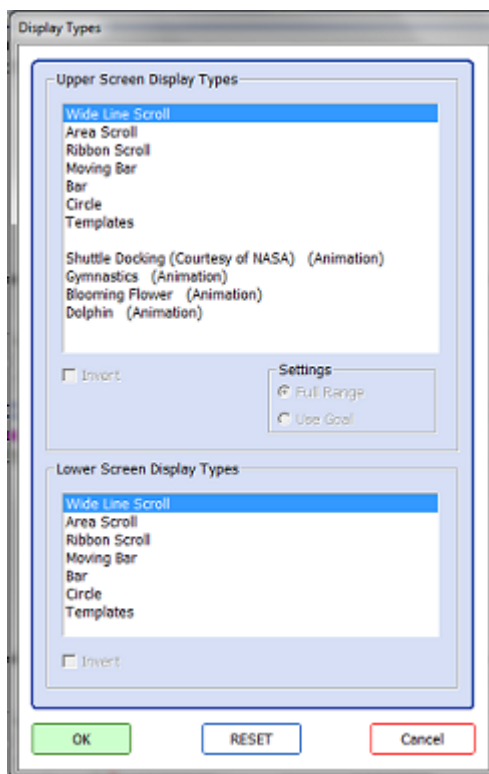


DISPLAY TYPE

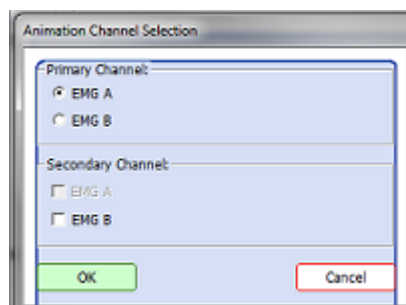
1. Click **Display Type**.



2. Click on a **Display Type**. Click **OK**.



3. If an **Animation** display is selected **Animation Channel Selection** will appear. **Primary Channel** will control the **Animation**. **Secondary Channel** will display statistics only. Click **OK**.

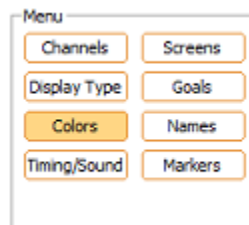


NOTE: Animations only run on a Single Screen.

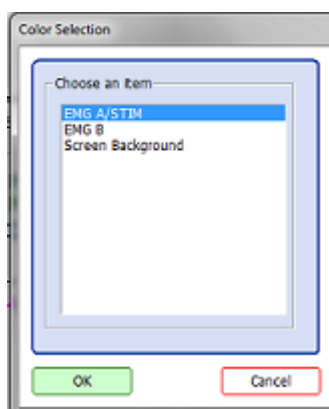



COLORS

1. Click **Colors**.

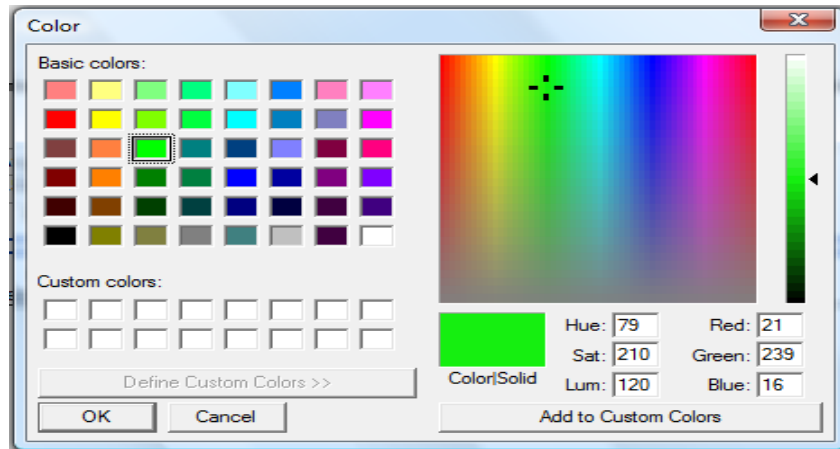


2. **Color Selection** will appear. Click **EMG A/STIM**. Click **EMG B**, or the **Screen Background** to modify its color. Click **OK**.

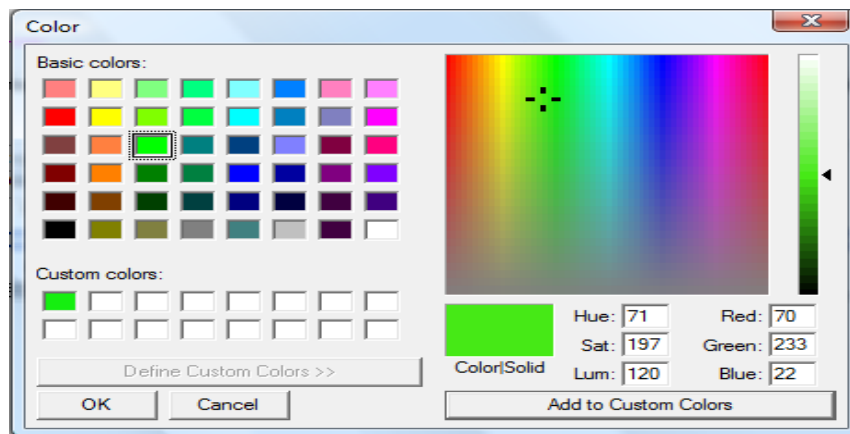


3. **Color** will appear. Set **EMG A/Stim** to be a basic color by clicking on one of the **Basic** colors. Select a **Custom color** by clicking and holding on the bull's-eye  in the color spectrum window. Drag the bull's eye over the color spectrum until the desired color appears in **Color|Solid**. Both **Basic** and

Custom colors can be adjusted lighter or darker. Click, hold and drag the color saturation bar up or down. To add an adjusted color to **Custom colors**, click **Add to Custom Colors**.

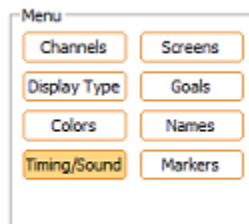


4. The new color will appear in **Custom colors**. Click **OK**.



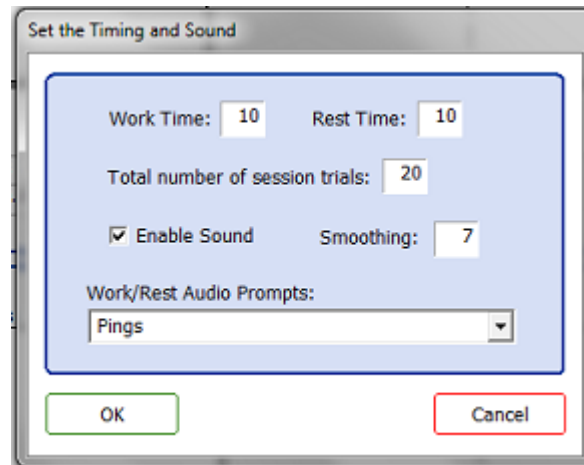
TIMING/SOUND

1. Click Timing/Sound.



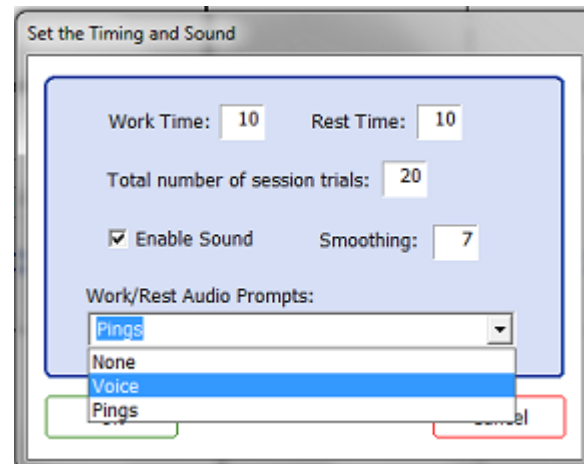
2. Set the Timing and Sound will appear.



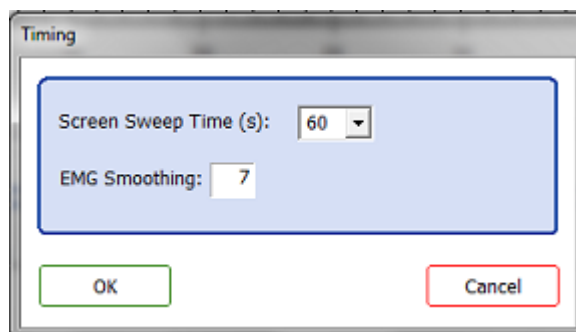


NOTE: Set the Timing and Sound only appears when modifying a work/rest protocol.

3. Change the **Work Time:** and **Rest Time:** in seconds by clicking in the cell, highlighting the existing time and keying in the new time.
4. Change the **Total number of session trials:** in the same manner.
5. To **Enable Sound** place a check mark in the cell. To disable click on the check mark.
6. Change **EMG Smoothing:** by clicking in the cell and keying in the value desired. An integer between **0-15 MUST** be entered. **Note:** It has been determined that a setting of **3** yields the best performance numbers and has therefore been set as the default value.
7. Click the drop down arrow to change **Work/Rest Audio Prompts:**. The default option is **Pings**. Click the option desired.



8. Click **OK**.
9. A protocol without work/rest will display **Timing**.

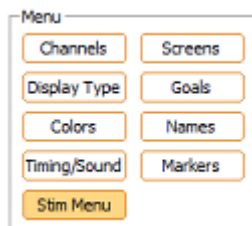


10. Click the drop down arrow to change **Screen Sweep Time (s):** in seconds. Click the sweep time required.
11. Change **EMG Smoothing** as outlined above.
12. Click **OK**.

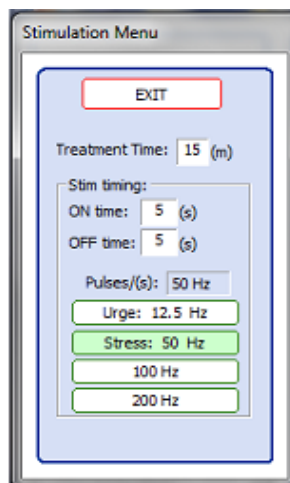
STIM MENU

NOTE: The **Stim Menu** button is only available in the Modify Protocol **Menu** when a Stimulation Protocol has been selected.

1. Click **Stim Menu**.



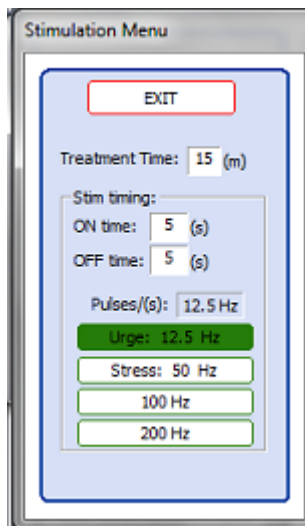
2. **Stimulation Menu** will appear.



3. Change **Treatment Time:** in minutes by clicking in the cell, highlighting the existing time and keying in the new time.
4. Change **Stim Timing:** in seconds (both **ON time:** and **OFF time:**) by clicking in the cell, highlighting the existing time and keying in the new time.

NOTE: The **ON time:** /**OFF time:** fields are disabled when modifying a **Continuous** stim protocol.

5. Change the **Pulses/(s):** (Hz) by clicking on the frequency required.



Stimulation Menu

EXIT

Treatment Time: 15 (m)

Stim timing:

ON time: 5 (s)

OFF time: 5 (s)

Pulses/(s): 12.5 Hz

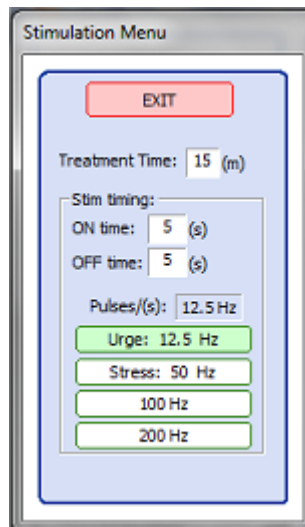
Urge: 12.5 Hz

Stress: 50 Hz

100 Hz

200 Hz

6. Click **Exit**.



Stimulation Menu

EXIT

Treatment Time: 15 (m)

Stim timing:

ON time: 5 (s)

OFF time: 5 (s)

Pulses/(s): 12.5 Hz

Urge: 12.5 Hz

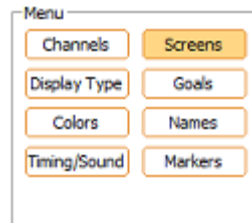
Stress: 50 Hz

100 Hz

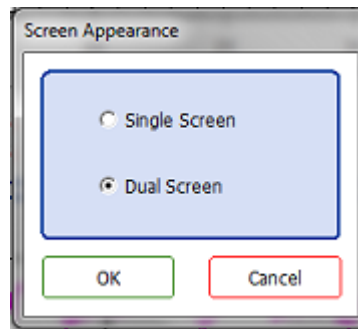
200 Hz

SCREENS

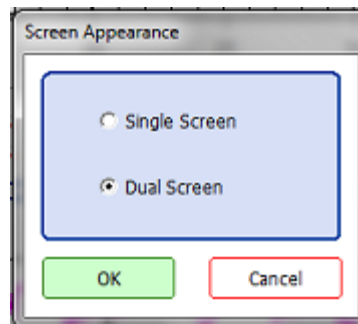
1. Click **Screens**.



2. **Screen Appearance** will appear.

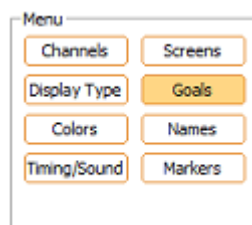


3. Select either **Single Screen** or **Dual Screen** and click **OK**.



GOALS

1. Click **Goals**.



2. **Channel Goal Selections** will appear.

The dialog box titled "Channel Goal Selections" contains two sections, A and B, each with "Channel Selection" and "Goal" options. Section A is for "EMG A (Pelvic Floor)" and Section B is for "EMG B (Abdominals)". Both sections have "WORK Goal" and "REST Goal" sub-sections. The "None" option is selected for all goals. The "Above Tone" and "Below Tone" options are also available. At the bottom are "OK", "RESET", and "Cancel" buttons.

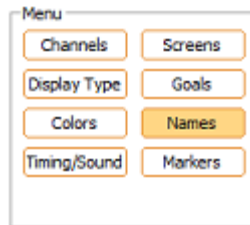
3. An **Above Tone WORK** goal has been selected for **EMG A (Pelvic Floor)** in the example below. Notice the goal line in the work time intervals. The line color matches the color of **EMG A**. The default value for a goal is **10.0 μ V**.



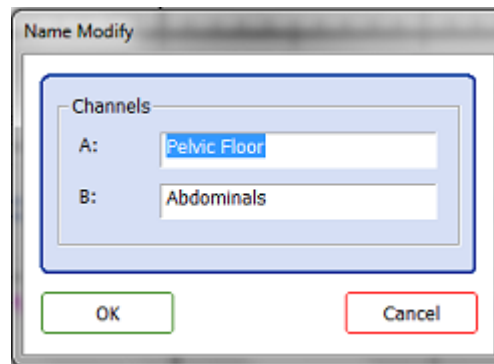
4. **WORK Goal** for **EMG A** now shows an **AbvTn** (Above Tone) goal. To increase the μ V goal click the green up arrow. To decrease the μ V goal click the red down arrow. Goal changes are in 1 μ V increments above 10 μ V. Goal changes are in 0.1 μ V increments below 10 μ V.
5. Click **OK**.

NAMES

1. Click **Names**.

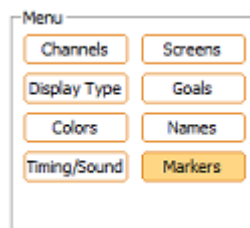


2. **Name Modify** will appear. To modify a name click on the appropriate cell and key in the new name. Click **OK**.



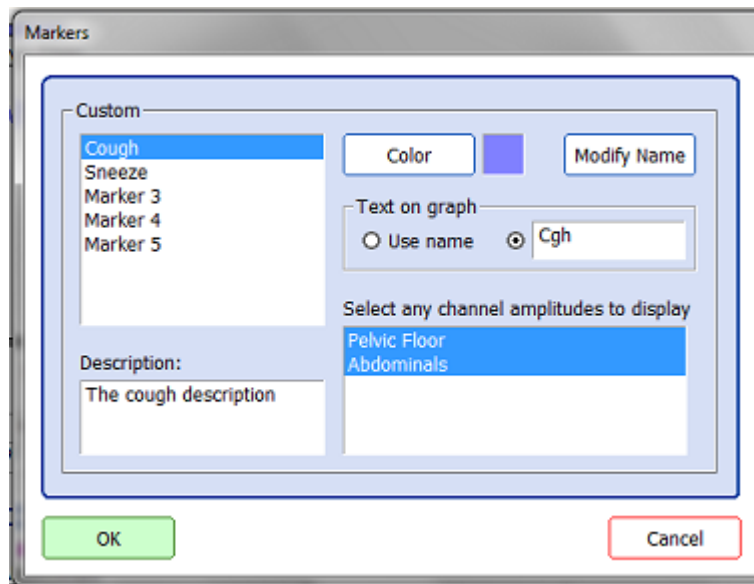
MARKERS

1. Click **Markers**.

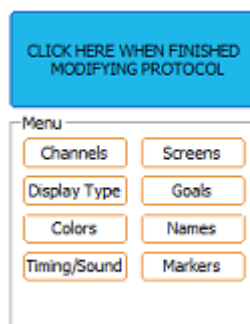


2. **Markers** will appear.

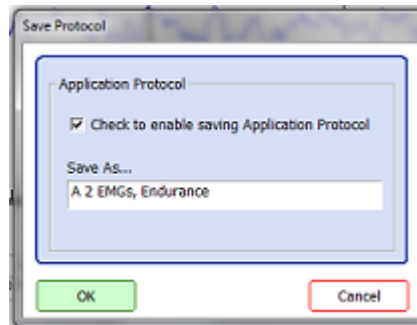
- Click the **Cough** marker.



- Click **Color**. **Cough** color can now be changed from **Colors**.
- The marker name can be changed. Click on a marker name and click **Modify Name**. Key in the change.
- The **Text on graph** can be changed. Click on a marker name. Click **Use name** and key in a maximum of **3** letters.
- The marker **Description** can be changed. Click on the marker name and key in the **Description** box.
- Select any channel amplitudes to display** determines which channels will display amplitudes when a marker is placed. Click a highlighted channel to deselect.
- Click **OK**.
- Click **CLICK HERE WHEN FINISHED MODIFYING PROTOCOL**.



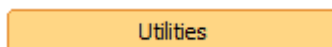
11. **Save Protocol** will appear. Place a check in the box **Check to enable saving Application Protocol**. Remember to **change the name** in **Save As...** to save as a new protocol. If the protocol name is **NOT** changed the original protocol will be overwritten with any and all changes made. Click **OK**.



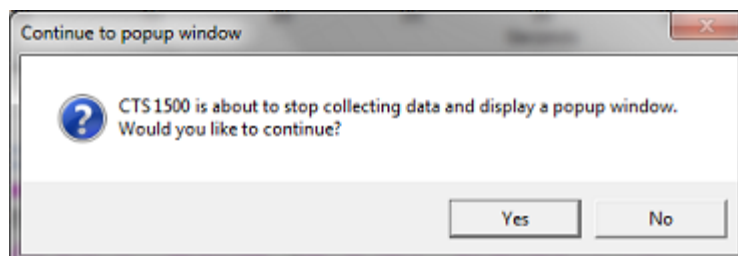
Utilities

NOTE: The **Launch CTS 1500 EMG/Stim** is set to **Live** mode by default. There is a **Simulation** mode which will run the session with preloaded data for demonstration purposes. This is a limited feature set not meant for clinical use.

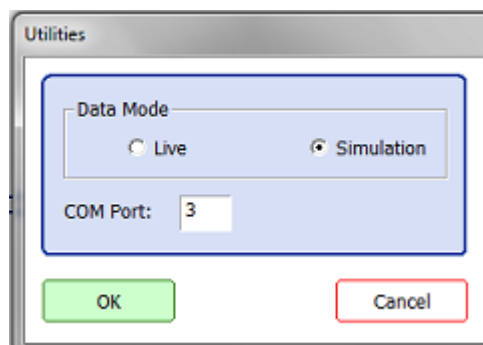
1. To select **Simulation** mode click **Utilities**.



2. A popup window will appear stating the **CTS 1500 is about to stop collecting data and display a popup window. Would you like to continue?** Click **Yes**.



3. **Utilities** will appear.

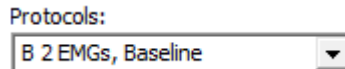


4. If **Simulation** is selected, **Simulation Mode** will flash in the lower left hand corner of the treatment screen.

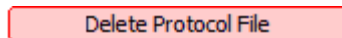
SIMULATION MODE

Delete Protocol

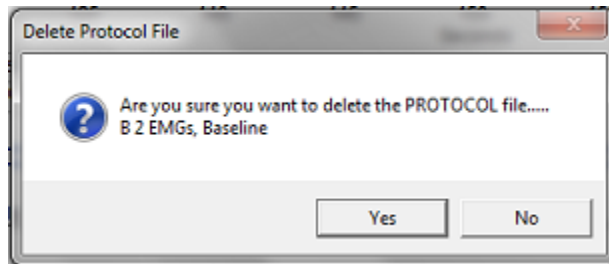
1. Click on the protocol to **Delete** from the **Protocols** drop down menu.



2. Click **Delete Protocol File**.



3. **Delete File** will appear asking: **Are you sure you want to delete the PROTOCOL file.....**



Note: Once the **Yes** button in **Delete Protocol File** has been selected the **Treatment Protocol** will be deleted.

4. Click **Yes** to **Delete**.

Pathway® CTS 1500 Specifications

Pathway® CTS 1500 Module:

Width:	29.2 cm (11.5 in)
Height:	8.4 cm (3.3 in)
Length:	25 cm (9.9 in)
Weight:	2 kg (4.5 lbs)
Input Voltage:	12 VDC
Input Current:	7.08 A

Electromyography:

Number of Channels:	2
Range:	1 - 800 μ V
Accuracy:	2% \pm 2 Microvolts (Less than 500 Microvolts)
Sampling Rate:	10 Hz
Display:	Linear or Logarithmic
Signal Processing:	True RMS Conversion
	20 to 500 Hz Bandpass
	60 Hz Notch Filter
	Input Common Mode Rejection greater than 100dB
	Input Noise Level of less than 1 μ V
	Internal Active Electrode Preamplifier on both channels
	Active Electrode Impedance of 10 gigohms

Stimulation:

Number of Channels:	1
Range:	1 - 100 Milliamps (mA)
Frequency:	12.5/50/100/200 Hz
Signal:	Biphasic
Pulse Width:	300 microseconds (μ s)
Charge Per Pulse:	28 microcoulombs

PC:

Notebook:

Display:	15.6 in
Resolution:	1366 X 768
Processor:	1.8 GHz Dual Core
RAM:	4 GB RAM
Hard Drive:	500 GB
Patient Data Storage:	> 500 Patient Records
Battery:	40 Whr Rechargeable Battery providing 4+ hours of use
Width:	37.6 cm (14.8 in)
Height:	26.7 cm (10.5 in)
Depth:	25.9 cm (10.2 in)
Weight:	2.3 kg (5 lbs)

Color Printer:

Pages per minute:	21 pages Black
	17 pages Color
Paper Feeder:	100 Sheets
Width:	44.5 cm (17.5 in)
Height:	11.9 cm (4.7 in)
Depth:	33.5 cm (13.2 in)
Weight:	5.6 kg (12.3 lb)



Operating Conditions:

Ambient Temperature:	10°C to 35°C (50°F to 95°F)
Relative Humidity:	20% to 80% no condensing
Atmospheric Pressure:	700 hPa to 1060 hPa

Storage/Transportation Conditions:

Ambient Temperature:	-10°C to 50°C (14°F to 122°F)
Relative Humidity:	20% to 80% no condensing
Atmospheric Pressure:	700 hPa to 1060 hPa

Warranty:

CTS 1500 Module:	1 Year Parts and Labor
PC:	1 Year Parts and Labor
Color Printer:	1 Year Parts and Labor

Standards and Approvals:

ISO 13485:2003



SOFTWARE LICENSE AGREEMENT

THE PROMETHEUS® GROUP grants to the purchaser of the Pathway® CTS 1500 Software the right to use one copy of Pathway® CTS 1500 Software on one computer within one business entity. Pathway® CTS 1500 Software cannot be shared among or between multiple business entities; for example, a satellite clinic affiliated with a hospital operating as a separate business entity. Each business entity is required to have its own original copy of the Pathway® CTS 1500 Software.



STANDARD WARRANTY SERVICE AGREEMENT

THE PROMETHEUS® GROUP warrants equipment of its own manufacture to be free from defects in material and workmanship as follows:

One (1) year from the date of shipment to the original purchaser, subject to the terms, conditions, limitations, and exclusions specified herein.

1. Service: THE PROMETHEUS® GROUP of New Hampshire, Ltd., hereafter "THE PROMETHEUS® GROUP", shall provide, for the term of this warranty, repair of defective Prometheus® Group units. This warranty shall include all parts and labor charges. The purchaser must obtain a Return Authorization Number and must return the defective unit, at the purchaser's own expense to THE PROMETHEUS® GROUP. THE PROMETHEUS® GROUP may, at its option, repair and return the unit or provide a replacement unit. Should THE PROMETHEUS® GROUP elect to provide a replacement unit, then this warranty is automatically transferred to the replacement unit. THE PROMETHEUS® GROUP shall return, at THE PROMETHEUS® GROUP'S own expense, the repaired or replacement Prometheus® Group unit.
2. Exclusions: The following conditions are excluded from service under this warranty:
 - A. Preventative maintenance. Preventative maintenance, defined as maintenance performed for the purpose of preventing a malfunction, is excluded from service under this warranty.
 - B. Repair of damage or malfunction of Prometheus® Group equipment resulting from abuse, accident, modification, usage of accessories, consumables and components not supplied or approved by THE PROMETHEUS® GROUP, or other cause other than normal usage, including but not limited to operator error, failure of other user-supplied equipment, and equipment operation in excess of design specifications is excluded from service under this warranty.
 - C. Loss due to fire, flood, robbery, burglary, theft, vandalism, radioactive contamination, or other natural disasters or Acts of God is excluded from service under this warranty
 - D. Replacement of batteries, accessories and expendables such as electrodes, are excluded from service under this warranty.
 - E. Commercial Equipment made by others, such as computers and printers.

NOTE: THE PROMETHEUS® GROUP provides no warranty on these items, and any service required must be obtained from the original manufacturer.

3. Optional Warranty Extension: This warranty may be renewed or extended by written agreement and acceptance of both parties. The price for such extension shall be the price in effect at the time the extension is put in force. THE PROMETHEUS® GROUP shall waive any inspection and conditional repair requirements for uninterrupted warranty extensions.
4. Limitation of Remedy: THE PROMETHEUS® GROUP shall not be liable for any damages caused by the delay in furnishing warranty services or other performance under this warranty. The service warranty expressed in paragraph 1 represents the sole and exclusive remedy for any warranty claims under expressed or implied warranties, including without limitation any warranty of merchantability or fitness. This warranty specifically limits the liability of THE PROMETHEUS® GROUP, including liability for negligence claims by users and disclaiming any other claims of non-performance by THE PROMETHEUS® GROUP. In no event shall THE PROMETHEUS® GROUP be held liable for any incidental or consequential damages of any kind.
5. Assignment: This warranty shall not be assigned by the purchaser without prior written consent of THE PROMETHEUS® GROUP. The warranty shall be binding upon all of the parties and their successors and assigns.

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