Connex Vital Signs Monitor 6000 Series (CVSM) Outline
Train the Trainer

A. Intended Use
   1. Depending upon the configuration of your particular device, the VSM 6000 Series can measure:
      a. Systolic and diastolic blood pressure on Adult, Pediatric, and Neonate patients.
      b. Pulse rate
      c. Temperature (oral, adult axillary, pediatric axillary, or rectal)
      d. SpO₂
      e. Mean Arterial Pressure
      f. The monitor allows you to enter patient data manually, scan in a patient's name with a barcode scanner, or download a patient's name from an ADT. You can enter specific patient information such as patient demographics, modifiers, and manual parameters.

B. Power
   1. The power button is located on the right side of the monitor, and it turns the monitor on, sets the monitor to standby, and also indicates the charging status.
      Power icon: 
      a. Press the power button to turn the device on.
      b. If the device is on, pressing the power button again puts the device in Standby mode.
      c. Green LED in center of power plug symbol indicates AC power is present and that the battery is fully charged or has been removed.
      d. Amber LED indicates AC power is present and that the battery is charging.
      2. Display power saving mode conserves battery power by turning off the backlight of the monitor display after two minutes of inactivity. (Touch anywhere in the Home tab to bring the monitor out of this mode.)
      3. The Standby mode conserves battery power by shutting down the monitor if you do not touch any button for ten minutes.
      4. To properly power off the monitor, touch the Battery icon located on the upper right hand section of the touch screen and then select/touch “Power Down”.

   Note: The settings for Display power-saving mode and Standby mode can be configured.

C. Battery
   1. The battery status is represented by three icons in the Device status area (at the top of the screen).
      a. The monitor is connected to an electrical receptacle and the battery is charging or is fully charged.
b. The monitor is not connected to an electrical receptacle and is running on battery power. The estimated battery capacity is displayed in the hour(s): minute(s) format.

c. The monitor is connected to an electrical receptacle but the battery is not able to maintain a charge.

d. If the battery is not being recharged and becomes low, an information message displays in the Device status area. If this is dismissed, a low-battery alarm condition will result, with an error message as power diminishes.

D. Home Screen/Profiles

1. The device utilizes touchscreen technology and all navigation can take place from the home screen with the touch of a finger.

2. The home screen is divided into three sections:
   a. **Device Status Area (the top section of the screen)** provides information such as Clinician identification, Device location, Time and Date, Connection status (Ethernet, USB, Wireless), Alarms and Messages, etc.
   b. **Content Area (the large middle section of the screen)** displays vital-sign measurements frames, patient information frame, manual parameters frame, and shortcuts to several controls.
   c. **Navigation Area (the bottom section of the screen)** provides tabs for other settings. Touching these tabs opens another screen and provides setting options.

3. Profiles: Profiles are variations of the Home tab. Each profile gives you access to a different set of features. Depending on the model number purchased, the monitor may offer multiple profiles, including Monitor, Spot Check, and Triage.
   a. **Monitor**: Enables you to use alarms and timed intervals. It is designed for continuous patient monitoring.
   b. **Spot Check**: Profile is optimized for clinicians who take spot-check vital readings and do not need continuous monitoring or alarm features. Therefore, the Alarms tab and all features related to alarms and timed intervals are unavailable.
   c. **Triage**: Allows for vital-signs capture without alarms or access to the Patients tab.

4. Selecting a Profile:
   a. Touch **Settings**.
   b. Touch **Profiles**.
   c. Touch the desired profile.
d. Touch **Home** (Profiles can’t be changed while acquiring data.)

E. Keypad
   1. When navigating, some screens have an option to enter numeric information using the Keypad, indicated by this symbol: [ ] . To open the keypad, touch any field that includes this icon.
   2. To use the keypad:
      a. With the keypad open, enter the new value by touching the number buttons. The value must be within the range that displays below the data field.
      b. Touch **OK**.
      c. To close the keypad, touch **OK** to exit the keypad and insert the value, or **Cancel** to exit the keypad without saving data.

F. Keyboard
   1. When navigating, some screens have an option to enter numeric information using the Keyboard, indicated by this symbol. To open the keyboard, touch any field that includes this icon.
   2. To use the keyboard:
      a. With the keyboard open, touch letters or numbers.
      b. Do one of the following:
         i. Touch **Next**. This accepts the entry for the current field, then clears the data field to allow data entry in the next field.
         ii. Touch **OK**. The keyboard disappears and the entered characters appear in the data field.
         iii. Touch **Cancel**. This exits the keyboard without saving the entered data.

G. NIBP
   The monitor enables you to take **manual** and **interval** NIBP measurements.
   1. Measurements can be taken from the NIBP frame.
      a. Systolic, Diastolic, and MAP can be seen. (Touching the frame toggles the primary and secondary view between SYS/DIA and MAP.)
      b. The monitor supports single- and dual-lumen hoses.
   2. Taking the NIBP measurement should include these steps:
      a. Select the appropriate size cuff.
         i. Measure the circumference of the patient’s bare upper arm, midway between the elbow and shoulder.
         ii. Wrap the cuff around the patient's limb and verify that the artery index marker lies somewhere between the two range markings on the cuff
         iii. Choose the appropriate cuff size based on the circumference measurement of the patient’s arm. Ensure that Artery Index Marker arrow falls in between the cuff range markers that are depicted in “cm”. If the
circumference of the patient’s limb falls between two cuff sizes, use the larger cuff size.

b. Attach the cuff.
   i. Position the cuff on the patient’s bare upper arm midway between the shoulder and the elbow.
   ii. Wrap the cuff snugly so that there is room for no more than two fingers between the cuff and the patient’s bare upper arm.
   iii. Position the Artery Index Marker on the cuff directly over the brachial artery.
   iv. Ensure that the blood pressure tubing has no kinks or twists.

3. Manual BP
   a. For manual BP, press the BP start button. When a measurement is started, the monitor inflates the cuff to the appropriate level. In the NIBP frame, the systolic display shows the cuff pressure while the blood pressure measurement is in progress.
   b. The monitor measures blood pressure as the cuff is inflating. If patient movement, excessive noise, or an arrhythmia prevents the monitor from determining the blood pressure while the cuff is inflating, the monitor attempts to measure the blood pressure while the cuff is deflating.
   c. When the measurement is complete, the monitor displays the final reading. The monitor displays the measurement until you save it to the patient’s record or you take another blood pressure measurement.

4. Interval BP
   a. The monitor can take NIBP measurements automatically based on intervals you choose.
   b. The Intervals tab provides all interval features. From this tab, you can do the following: Configure intervals, Turn off intervals, or Configure the monitor to print automatic measurements as they are completed.
   c. The button changes to a timer, which counts down to the next automatic measurement. Automatic measurements continue until you turn off intervals.
   d. Types of intervals:
      i. Automatic Intervals: You can configure the monitor to take automatic NIBP measurements at consistent intervals (e.g., every 60 min.).
      ii. On the Home tab touch , select automatic, use the numeric keypad to enter the length of time between NIBP measurements, and touch start intervals.
      iii. Program Intervals: You can configure the monitor to take automatic
NIBP measurements at variable intervals.
(a) Customized programs can exist but they are programmed by the end users’ discretion. The numbers below the program name indicate the length of time between each interval in the cycle.

(b) When you start a program, the following occurs:
(i.) The monitor starts the first measurement immediately.
(ii.) After the first measurement, the interval cycle begins. The second measurement starts at the program-selected time (e.g., 15 minutes) after the first measurement is complete. The third measurement starts (e.g., 30 minutes) after the second measurement is complete, and so on.

Note: You can use the programs as is, or you can edit them.

5. **Stat Intervals**: If you select the Stat option in the Intervals tab, the monitor takes repeated NIBP measurements for five minutes, starting a new cycle each time the cuff deflates below safe venous return pressure (SVRP) for two seconds.

6. **Stop automatic measurements**:
   a. On the Home tab, touch the interval timer button. The Intervals tab displays.
   b. Touch to select Stop Intervals.

7. **Cancel a measurement that is in progress**:
   a. On the Home tab, touch.
   b. The monitor rapidly deflates the cuff. The screen displays NIBP cancellation message and if intervals are turned on, the button changes to a timer (for example, ), which counts down to the next automatic measurement.

8. **Configure NIBP alarms steps**:
   a. Verify that you are using the Monitor profile, which contains the Alarms tab.
   b. Touch Alarms. The Alarms tab displays.
   c. Touch the NIBP tab.
   d. Enter the desired upper and lower alarm limits for Systolic, Diastolic, and MAP readings using the up/down arrows or the keypad.
   e. Touch Home. The new alarm settings display in the alarm control button.

H. **Temperature**
The device utilizes SureTemp® Plus thermometry (range 80°-110° Fahrenheit or 26.6°- 43.4° Celsius).
1. Device is configurable to Celsius and Fahrenheit in all profiles.
2. Remove your temperature probe from the probe well and then within the thermometry
frame touch Temperature site control to toggle between modes. (Rectal will only be an option when red top probe is utilized)

<table>
<thead>
<tr>
<th>Rectal</th>
<th>Oral</th>
<th>Pediatric Axillary</th>
<th>Adult Axillary</th>
</tr>
</thead>
</table>

3. Predictive Mode
   a. One-time measurement that takes only a few seconds.
      i. Oral—approx. 4 to 6 seconds.
      ii. Adult axillary (age 18 years and older)—approx. 12 to 15 seconds.
      iii. Pediatric axillary (age 17 years and younger)—approx. 10 to 13 seconds.
      iv. Rectal—approx. 10 to 13 seconds.
   b. It results in a single temperature reading which is displayed at the end of the brief measurement.
   c. The monitor sounds a tone to indicate the end of a predictive measurement.
   d. Steps to use Predictive Mode:
      i. Remove the temperature probe from the probe well.
      ii. Insert the probe into a new probe cover and press the probe handle down firmly.
      iii. Touch Temperature Site Control to choose from these readings: oral, pediatric axillary, or adult axillary temperature.
      iv. Hold the thermometer probe tip in place at the measurement site.
         (a) For oral temperatures, place the thermometer probe tip under the patient’s tongue on either side of the mouth to reach the sublingual pocket and ask the patient to close his/her lips.
         (b) For axillary temperatures, lift the patient’s arm so that the entire axilla is easily seen and place the temperature probe tip as high as possible in the mid-axilla. Align the probe vertically with the spine. Next, lower the patient’s arm down to make maximum contact with the probe tip.
   e. The monitor beeps when the final temperature is reached. The Home tab
displays the patient temperature. The temperature continues to display in degrees Fahrenheit and degrees Celsius even after the probe is returned to the probe well.

f. Remove the probe after the temperature measurement is complete and firmly press the ejection button on the top of the probe to release the probe cover.

g. Return the probe to the probe well.

4. Direct Mode
   a. The monitor changes to Direct mode:
      i. 60 seconds after the thermometer probe is removed from the probe well and exposed to air.
      ii. After you complete a Predictive mode measurement, then touch to switch from Predictive to Direct mode. The temperature frame (in the lower-left corner) changes to "MODE: Direct..." as it switches to the Direct mode.
      iii. If you have a patient whose body temperature is below the normal temperature range and you follow predictive mode steps, the probe sensor identifies this condition and turns off the probe preheater in order to accommodate the lower body temperature measurement.

   b. The monitor does not retain Direct mode temperatures in memory for recall. A manual recording of the reading is required.

   c. The patient’s temperature will reach final equilibrium in approximately three minutes in the oral and rectal sites and five minutes in the axillary site.

   d. After 10 minutes of Direct mode use, a technical alarm condition is generated and the reading is cleared.

   e. Steps to use Direct mode:
      i. Remove the temperature probe from the probe well.
      ii. Insert the probe into a new probe cover and press the probe handle down firmly.
      iii. Touch Temperature Site Control to choose from these options: oral, pediatric axillary, or adult axillary temperature.
      iv. Hold the thermometer probe tip in place at the measurement site for a total of three minutes for oral and rectal mode or five minutes for axillary mode.
      v. While the measurement is taking place, the Home tab displays the patient's continuous temperature readings in degrees Fahrenheit and degrees Celsius.
      vi. Document the temperature on the patient record before removing the probe tip from the measurement site.
      vii. Remove the probe after the temperature measurement is complete and firmly press the ejection button on the top of the probe to release the probe cover.
      viii. Return the probe to the probe well to reset the SureTemp Plus
module to predictive mode.

5. **Taking the temperature in Rectal mode:** You must use the temperature probe with the red ejection button and red probe well. The SureTemp Plus module only operates in rectal mode if the red rectal probe is installed.
   a. Remove the rectal probe from the rectal probe well.
   b. Insert the rectal probe into a new probe cover and press the probe handle down firmly.
   c. The Temperature Site Control defaults to rectal mode.
   d. Separate the patient’s buttocks with one hand. Use the other hand to gently insert the probe tip only 5/8 in. (1.5 cm) inside the rectum. The use of a lubricant is optional.
   e. Tilt the probe so that the tip is in contact with tissue. Continue to separate the buttocks and hold the probe in place throughout the measurement process.
   f. The monitor beeps when the final temperature is reached. The Home tab displays the patient temperature. The temperature continues to display in degrees Fahrenheit and degrees Celsius even after the probe is returned to the probe well.
   g. Remove the probe after the temperature measurement is complete and firmly press the ejection button on the top of the probe to release the probe cover.
   h. Return the probe to the probe well.
   **WARNING:** Use extreme caution when taking rectal temperatures on children. Insert the probe tip only 3/8 in. (~1 cm) to avoid risk of bowel perforation.
   **NOTE:** Do not reuse probe covers. Discard after each use.

6. **Configure temperature alarms manually:**
   a. Touch the *Settings* tab.
   b. Touch to select *Monitor*.
   c. Touch the *Alarms* tab.
   d. Touch *Temp*.
   e. To turn alarm on or off, use the up and down arrow keys or the numeric keypad to adjust upper and lower temperature alarm limits.
   f. Touch *Home* to save your settings, return to the Home tab, and take a temperature measurement.

I. **SpO2 and Pulse Rate (if applicable)**
   SpO2 (Nellcor or Masimo) and pulse rate monitoring continuously measure saturation level of oxygen in hemoglobin as well as the pulse in a patient through a pulse oximeter.

   1. **Steps to Measuring SPO2/Pulse Rate:**
      a. Verify the SpO2 sensor cable is connected to the monitor.
      b. Clean the application site. Remove anything, such as nail polish, that could interfere with sensor operation.
      c. Attach the SpO2 sensor to the patient. Place the SpO2 sensor and the NIBP cuff on different limbs.
      d. Confirm the monitor displays SpO2 and pulse rate data within 15 seconds of
being connected to a patient.

2. **Configure SpO₂ alarms:** Pulse oximetry alarms can be manually set.
   a. Touch the **Settings** tab.
   b. Touch to select **Monitor**.
   c. Touch the **Alarms** tab.
   d. Touch **SpO₂**.
   e. To turn alarm on or off, use the up and down arrow keys or the numeric keypad to adjust upper and lower SpO₂ alarm limits.
   f. Touch **Home** to save your settings, return to the Home tab, and take an SpO₂ measurement.

   **WARNING:** Inspect the SpO₂ cable. Replace it if it shows any signs of wear, breakage or fraying. Failure to do so could harm the patient, harm the monitor, or produce inaccurate readings.

   **NOTE:**
   • During an SpO₂ measurement, the displayed pulse rate is derived from the SpO₂ sensor. If SpO₂ is not available, the pulse rate is derived from NIBP.
   • If SpO₂ is being measured continuously on a patient for an extended period, change the sensor location at least every three hours or as indicated by the sensor manufacturer’s directions for use.

3. **SatSeconds™ alarm management:** The SatSeconds feature is an SpO₂ alarm management system available only with Nellcor-equipped monitors.
   a. The SatSeconds feature has a built-in safety protocol that sounds an alarm whenever three SpO₂ violations of any amount or duration occur within a one-minute period.
   b. The SatSeconds feature delays alarms for a set amount of time when it is enabled. If a condition or alarm resolves on its own within the preset time, the alarm will automatically reset.
   c. The feature can be set to 0, 10, 25, 50, or 100 SatSeconds. The SatSeconds feature is the product of the time and magnitude that a patient exceeds SpO₂ alarm limits. For example, three points below the alarm limit for 10 seconds equals 30 SatSeconds. An alarm is triggered only when a desaturation event reaches the SatSeconds limit.
   d. When the feature is not enabled, the SatSeconds graphic will not appear and SpO₂ alarm conditions will not be delayed.
   e. **To set SatSeconds limits:**
      i. Touch the **Alarms limit control** of the SpO₂ frame.
      ii. Touch the **Alarms** tab.
      iii. Touch to select a SatSeconds setting. Values are 10, 25, 50, or 100.
      iv. Touch **Home** to save your settings and return to the Home tab.

4. **Perfusion index:** Perfusion index is an SpO₂ feature available only with Masimo-equipped monitors.
   a. Perfusion Index (PI) is a relative reading of pulse strength at the monitoring site and is a numerical value that indicates the strength of the IR (infrared)
signal returning from the monitoring site.

b. PI display ranges from .02% (very weak pulse strength) to 20% (very strong pulse strength).

c. During sensor placement, the PI can be used to evaluate the appropriateness of an application site by looking for the site with the highest PI number.

J. Manual Parameters
You can manually enter parameters including height, weight, pain level, temperature, or respiration rate.

1. From the Home tab, ensure that the current patient information is correct.
2. Touch anywhere within the manual parameters frame. The manual parameters of the Patients tab displays.
3. Use the up and down arrow keys or the numeric keypad to manually adjust height, weight, pain level, temperature, or respiration levels.
4. Touch OK.

K. Alarms
The monitor presents physiological alarms and technical alarms. Physiological alarms occur when vital sign measurements fall outside of set alarm limits, but they occur only in the Monitor profile. Technical alarms occur in all profiles.

1. The following occurs on the LED light bar on the device handle with alarms.
   a. **Flashing red** for high-priority alarms
   b. **Flashing amber** for medium-priority alarms
   c. **Constant amber** for low-priority alarms

2. **Alarm Types**

<table>
<thead>
<tr>
<th>Type</th>
<th>Priority</th>
<th>Color</th>
<th>Alarm audio tone</th>
</tr>
</thead>
<tbody>
<tr>
<td>HRBP or SpO2 limit exceeded</td>
<td>High</td>
<td>Red</td>
<td>10-pulse tone</td>
</tr>
<tr>
<td>Some technical alarms</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pulse rate limit exceeded</td>
<td>Medium</td>
<td>Amber</td>
<td>3-pulse tone</td>
</tr>
<tr>
<td>Some technical alarms</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Temperature limit exceeded</td>
<td>Low</td>
<td>Amber</td>
<td>2-pulse tone or 1-pulse tone</td>
</tr>
<tr>
<td>Some technical alarms</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

3. **Home Tab Notifications:**
   a. Device Status area: The area changes color and displays a message with an accompanying status icon or button. If the alarm tone is in a pause interval, a timer countdown appears. If multiple alarms and information messages are active, the Device Status area shows the highest-priority alarm. If the alarms are equal in priority, the most recent alarm message appears. You can cycle through the messages for each active alarm.
b. Parameter frame: The background color changes. Touch this area to pause or turn off an alarm audio tone and nurse call notification.

c. Alarm Limit control: The icon in this control indicates the status of the alarms limit settings. Red and amber icons indicate measurements that have exceeded alarm limits. Touch this control to navigate to a parameter-specific tab where you can modify the alarm limit setting.

4. Icons in parameter frames:
   a. The icons in the parameter frames indicate alarm notification settings. When alarm limits are on, the icons will be black and white until an alarm occurs. Then, the icons will change color to indicate the priority of the alarm.
   b. Icons that can be seen in parameter frames and their meanings:
      - Alarm off and no visual or audio alarms or nurse call notification will occur for this parameter.
      - Alarm and audio and visual notifications are enabled.
      - Alarm audio off and only visual notifications will occur.
      - Alarm audio paused and the audio tone is paused for 60 seconds or longer. The icon remains until the paused time counts down to 0.

   c. Icons in the device status area and their meanings:
      - Alarm active. One or more alarms are active. Touch this icon to pause or turn off the audio tone.
      - Alarm audio off and the audio signals are disabled, but alarm limits and visual alarm signals remain active.
      - Multiple alarms. Touch this icon to cycle through the messages for each active alarm.
      - Alarm audio paused. The audio tone is paused for 60 seconds or longer. The icon remains until the paused time counts down to 0. Touch this icon to reset the pause interval, which is determined by settings in the Advanced tab.

5. Reset (pause or turn off) audio alarms:
   a. After you reset an audio alarm, some tones do not return, but others return after the pause interval if the condition that caused the alarm persists. Settings in the Advanced tab determine the length of the pause interval.

   b. If a new alarm condition occurs during a pause interval, a new audio tone...
occurs.

c. If an audio alarm is not paused or turned off after a period of time, a buzzer accompanies the tone.

6. **Pause or turn off an audio alarm:**

   a. In the Device Status area, touch 🔄.
   b. Visual indications remain in the parameter frame until the condition is corrected or until the next measurement is taken.
   c. In the Device Status area, if the icon changes to 🔄 and the message remains, the timer counts down and the audio tone returns after a pause interval. You can touch 🔄 again to restart the timer.
   d. If you responded to an NIBP alarm and multiple NIBP limits have been exceeded, the first audio tone and message go away, but another NIBP limit message shows with a countdown timer. A new NIBP audio tone sounds after the countdown unless you touch 🔄 to dismiss each remaining NIBP limit message.
   e. If audio tones continue, multiple alarms are active. A multiple alarm toggle will appear in the Device Status area. Respond to multiple alarms as follows:

      i. Touch 🔄 in the Device Status area.
      ii. Read the alarm message for the second alarm.

      iii. Touch 🔄.
      iv. Continue to touch multiple alarm toggle buttons and to reset tones until you have read all of the messages.

7. **Adjust vital sign alarm limits:** You can adjust vital sign alarm limits or turn off alarm limit checking for individual parameters.

   a. On the Home tab, touch the alarm limits control in the selected parameter frame. For example, to adjust the NIBP alarm limits, touch 🔄.

   b. Adjust vital sign alarm limits: Enter the desired upper and lower alarm limits using the up/down arrow keys or the keypad.

   c. To turn alarm limits off or on for the vital sign: Touch 🔄 or 🔄. This button toggles to display the current alarm state.
   d. If you turn off alarm limit checking for a vital sign, no visual or audio alarm signals will occur for those limits. If alarm limit checking is off, the icon changes to on the 🔄 on the Home tab in the parameter frame.
Nurse call: If nurse call is operational, nurse call notification occurs for certain
alarms, depending on the alarm priority. Nurse call notification settings are
specified in the Advanced settings. Nurse call notification is paused when alarm
tones are paused, and it is turned off when alarm tones are turned off.

L. Patient Data Management

1. Managed through the Home tab
   a. Can enter patient data manually.
   b. Scan in a patient's name with the barcode scanner.
   c. Can enter specific patient information such as patient demographics,
      modifiers, and manual parameters.
   d. Patient can be selected from a list

2. Creating a patient:
   a. Touch the Patients tab.
   b. Touch Add.
   c. Enter the patient data using the keyboard controls.
   d. Touch OK to return to the Home tab. Any information entered is automatically
      saved.

3. Load patient data with the barcode scanner:
   a. You can use a barcode scanner to query existing patient records and perform
      an ADT patient name match.
      i. Ensure that you are on the Home tab.
      ii. Scan the patient's barcode with the barcode scanner.
      iii. The Patient ID appears in the Patient frame.
          Note: If Welch Allyn Connex® VM software is installed on your network,
          the monitor can automatically return a patient name associated with a
          scanned ID number.

4. Save patient data: Patient data can be saved to the monitor.
   a. After taking a patient reading, touch Save.
   b. A message will indicate that a save is in progress.
      Note: Depending on the profile and settings, readings may be saved
      automatically.

5. Select a patient:
   a. Touch the Patients tab.
   b. From the patient list, touch the patient's identifier.
   c. Touch Select.
      Note: In the Spot Check and Triage profiles, previous patient data and readings
      will be overwritten by a new save. In the Monitor profile, selecting a new patient
      will clear the current patient data.

6. Manage patient records: Patient records can be sent to the network, printed, or
   deleted.
   a. Touch the Review tab.
b. Select patients by touching the check box next to their name.
c. Touch **Send** to transmit the records to the network.
d. **Print** to print the records.
e. **Delete** to permanently remove the records as desired.

**Note:** The 💌 icon indicates the records have been sent to the network.

**Note:** Depending on the profile and settings, readings may be automatically sent to the network.

7. **Delete a patient from the list:**
   a. From the patient list, touch the patient’s name you wish to delete.
   b. Touch **Delete**. (At the Delete Confirmation window, touch **Yes** to permanently delete the name. Touch **No** to cancel the deletion.)

**Note:** Deleting a name from the patient list does not delete saved records. Touch **Review** to see or delete records.

M. **Accessories**

1. **Barcode Scanner:** The monitor enables the scanning of patients’ and/or clinicians’ barcodes to enter identification information. The barcode scanner supports linear and two-dimensional barcodes.
   a. Ensure that the barcode scanner is connected and properly configured.
   b. Remove the barcode scanner from its holder.
   c. Hold the scanner approximately 6 inches (15.4 cm) from the barcode and squeeze the trigger so that the light from the scanner appears on the barcode.
   d. The patient or clinician identification displays in the targeted area (Patient frame, data field, Device Status area).
      i. Scanning a patient’s barcode while on the Home tab will place the scanned ID into the Patient frame.
      ii. Scanning a patient’s barcode while the Patients List tab is open requires the following additional steps:
          (a) Touch **Add** to add a new patient.
          (b) Touch the keyboard in the Patient ID field.
          (c) Scan the patient’s barcode.
          (d) Confirm the patient information by touching **OK**.
      iii. Scanning a clinician ID while the Clinician ID pane is open will place the scanned ID into the Clinician ID section of the Device Status area. Touch **Select** to return to the Home tab and to begin taking patient measurements.
      iv. Use the Advanced settings Data Management tab to change the appearance of the Clinician ID if you do not want your ID to appear in the Device Status area. (This requires the Advanced settings access code.) However, this information is still retained in the monitor memory for recall, printing, or to send measurements electronically to the network.
N. Printer Options  
1. Print options include manual and automatic print commands.  
   a. Manual option  
      i. Touch **Review** from the Home tab.  
      ii. Touch ☐ next to the names of the patients whose data you want to print. Once selected, a check mark ☑ will be added to the box.  
      iii. Touch **Print**.  
      iv. Confirm the number of records you wish to print and touch **Yes**.  
      v. The data is sent to the printer.  
   b. Automatic option (for interval printing)  
      i. Touch the **Settings** tab.  
      ii. Touch the **Intervals** tab.  
      iii. Touch the box next to Automatic print on interval.  

O. Cleaning  
1. Clean on a routine basis according to your facility's protocols and standards.  
2. The following agents are compatible with the monitor:  
   a. Cavi-Wipes™  
   b. Sani-Cloth® Plus  
      i. Using Cavi-Wipes or Sani-Cloth Plus, wipe the surface of the monitor to remove all gross debris.  
      ii. Allow the monitor surface to dry for a minimum of 10 minutes before using the monitor.  
   c. 70% isopropyl alcohol  
      i. Wipe the monitor with a clean cloth slightly dampened with 70% isopropyl alcohol.  
   d. 10% chlorine bleach solution  
      i. Wipe the monitor with a clean cloth slightly dampened with a 10% bleach and water solution. Follow the cleaning agent manufacturer’s guidelines.  
      ii. Rinse with a clean cloth slightly dampened with water that meets EP and USP quality standards.  
      iii. Allow the monitor surface to dry for a minimum of 10 minutes before using the monitor.  

P. General Settings/Parameters  
1. General settings such as Language, Date/Time, General Alarms, Screen Display, Device Location, and Demo mode can be changed by selecting General tab and then choosing the appropriate tab option for each.  
2. Parameter settings allows for specific changes in the parameters for each vital sign being monitored. To change these, select the Parameters tab and then select the
specific vital sign tab which is to be changed.