MOBERG
ICU Solutions

EDITING PROTOCOLS ON THE CNS MONITOR

The following instructions are for creating and editing user-defined, customized protocols, for specific monitoring procedures or patient types. These instructions are applicable to CNS Monitors running software application version A.12.64 – A.12.121.

Note: Protocols can be edited both when no patient is admitted (from the opening screen) or during patient monitoring.
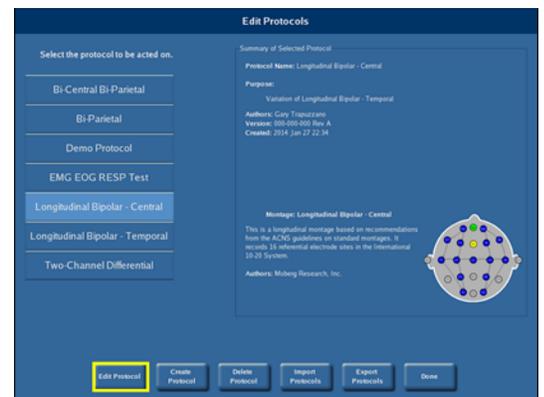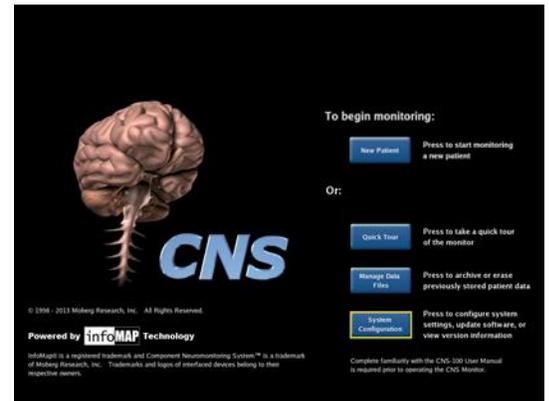
EDITING PROTOCOLS WITH NO PATIENT ADMITTED

1. If no patient is admitted on the CNS Monitor, select **System Configuration** from the opening screen. Select **Protocols** from the System Configuration Menu.

2. From the list of available protocols, select the protocol to be edited. The chosen protocol will become highlighted. Select **Edit Protocol.**

3. From the Edit Protocol screen, the following options are available:

   a. **Edit Step** allows editing of the step currently selected.
   b. **Add Step** adds a new step to the current protocol.
   c. **Delete Step** deletes the currently selected step.
   d. **Select Montage** allows the user to select/create an EEG montage for the protocol.
      Note: Please see the EEG Montage Editing technical bulletin for more details on this procedure.
   e. **Select Measurements** will allow the user to select the source for each measurement to be recorded in the protocol.

f. The **Reorder Step** arrows on the left of the screen will move the currently selected step up or down.
g. Select **OK** to proceed with the protocol chosen

4. Press **Select Measurements** to review or edit the measurements selected for recording in this protocol. Be sure to verify the collection device for each measurement. Press **Done** when finished.

5. Select **Add Step** to add a step to the selected protocol. Enter the name of the step using the on-screen keyboard. A new step will be created and the Edit Step screen will appear, with the following options:

   a. **Edit Display** allows modification of the currently selected display.
   b. **Add Display** will add a new display to the current step.
   c. **Delete Display** will delete the currently selected display.
   d. **Rename Step** will rename the current step.
   e. **Select as Main Display** button will select the currently selected display as the default display for the protocol.
   f. Selecting **OK** will return to the Edit Protocol screen.
   g. The **Reorder Display** arrows on the left of the screen will move the order of the currently selected display up or down.

CUSTOMIZING THE DISPLAY

1. Select **Add Display**. Enter the name of the display using the on-screen keyboard.

2. Customize the display layout by adding screen areas that will later have traces assigned to them. Select Add Area then choose the type of Area for display. Available areas include *Trends*, *Waveforms*, *EEG Waveforms*, *CSAs* (Compressed Spectral Arrays), *DSAs* (Density Spectral Arrays), *Numeric Readouts* and *Report*. Adjust area size with the **Scroll Bar** (if more than one display).

3. Select **Add Trace** to add parameters to an area. For each trace, choose a measurement from the available list. For EEG waveforms, CSAs and DSAs, select an EEG channel from the montage associated with the protocol.

   Note: Measurements used by other traces in the current display are shown in **Green**.

4. Adjust the display as desired: **Numeric Readouts** can be turned **off** or **on**. Areas may be **Swapped** with one another to change their positions. Traces can be **Moved**.

5. **Undo** any unintentional changes.

6. Once finished, select **Review Changes** (if editing an existing display). Review and select **OK**.

7. The user will be notified that the protocol has been modified. Select one of the following options:

   a. Selecting **Discard Change**s exits the editor without saving any changes.
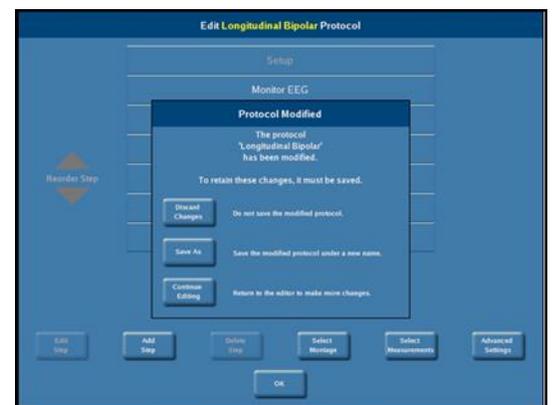   *Note*: This will delete all of the recent changes made to the protocol.

   b. Selecting **Save** saves the changes by overwriting the old protocol.

   c. Selecting **Save As** saves the modified protocol under a new name.

   d. Selecting **Continue Editing** returns to the editor so more changes can be made to the protocol.

8. After selecting **Save As**, enter a name, purpose, and the author(s) of the modified protocol by selecting the corresponding fields and using the on-screen keyboard.

   Note: The name of the protocol must be entered to continue with the saving process. Other fields are optional.

9. The new protocol will now be available as an option when admitting a patient for monitoring.

EDITING A PROTOCOL WHILE A PATIENT IS ADMITTED

1. If a patient is admitted on the CNS Monitor press the **Main Menu** button at the bottom-left of the screen and then press on the **Edit Protocol** button on the next screen.

   Note: Only the current protocol will be available for editing.

2. The Edit Protocol screen will appear and the same steps as in the prior sections can be followed.