Getting Started

Using Simulator with Defib Manikin
1. Connect manikin’s ECG cable to simulator’s color-coded ECG snaps. See Figure 1. This is the only cable needed for connecting simulator to manikin.
2. Connect defibrillation cable to manikin’s defibrillation sites. (If you have a separate pacer cable, attach it to defibrillation sites for pacing.)
3. Connect monitor’s ECG cable to manikin’s ECG snaps. If monitor ECG cable has right leg lead, but manikin does not have right leg ECG snap, connect right leg lead to simulator’s green-labeled ECG snap.
4. Press ON-OFF key to power-on simulator. Observe that NSR and Adult indicators are illuminated. Power-on monitor/defibrillator. Observe that NSR at 72 bpm is displayed.

Using Simulator without Defib Manikin
1. Connect monitor’s ECG cable to simulator’s ECG snaps. See Figure 1.
2. Using your pad adapters or pad adapter cable, connect defibrillation cable to simulator’s defib cable receptacles. See Figure 2.
3. Press ON-OFF key to power-on simulator. Observe that NSR and Adult indicators are illuminated. Power-on monitor/defibrillator. Observe that NSR at 72 bpm is displayed.

Battery Saver Feature
The simulator powers-off automatically about 30 minutes after a key was last pressed, or after defib or pacer energy was last detected. This is normal operation. To allow simulator to remain powered-on after 30 minutes, follow these instructions:
1. Power-off simulator.
2. Press and hold down convert key, then press and release ON-OFF key.
   The simulator powers-on.
3. Observe NSR indicator. When indicator blinks on and off, release convert key. NSR indicator continues to blink for about one second.
   The battery saver feature is now disabled. When you power-off the simulator, it will return to normal battery saver operation.

The simulator is powered by a 9 volt alkaline battery. To replace the battery, turn simulator over, then slide open battery compartment door.

Service
The Simulaidas Interactive ECG Simulator is warranted to be free of defects in material or workmanship for three years from date of purchase.
If the simulator needs service, or if you have questions about its operation, please contact Simulaidas customer service, or your authorized dealer.

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Adult Rhythms

for Defibrillator training

VF Ventricular Fibrillation.
VT fast Ventricular Tachycardia. Wide QRS. Rate: 185.
VT slow Ventricular Tachycardia. Wide QRS. Rate: 140.
VT Poly Ventricular Tachycardia. Fluctuating QRS axis.
AFIB Atrial Fibrillation. Ventricular rate: 120 to 160.
AFLTR Atrial Flutter (2:1). Ventricular rate: 150.
SVT SVT alternates with NSR, then remains in SVT. SVT rate: 216.
S TACH Sinus Tachycardia. Rate: 120.
NSR Normal Sinus Rhythm. Rate: 72.
ASYS Asystole.

SINUS PVC Sinus Rhythm with PVCs. Sinus rate: 72.

for External Pacer training

S BRDY Sinus Bradycardia. Rate: 40.
J BRDY Junctional Bradycardia. Rate: 42.
2nd I 2nd deg. type I AV Block (4:3). Atrial rate: 60.
2nd II PVC 2nd deg. type II AV Block (4:3). PVCs. Wide QRS. Atrial rate: 60.
2nd II 2nd deg. type II AV Block (4:3). Wide QRS. Atrial rate: 60.
3rd 3rd deg. AV Block. Wide QRS. Ventricular rate: 37.

Defibrillation Exercise

Connect simulator to defib or defib manikin. For help, see Getting Started, page 5.

Exercise: Convert VF to NSR using manual defibrillator.
at simulator:
1. Press VF key. VF indicator glows steadily. Confirm VF is displayed on monitor.
2. Press convert key. VF indicator pulses brighter.
3. Press NSR key. NSR indicator blinks on and off. VF indicator glows steadily again.
at defibrillator:
6. Press both Discharge buttons (3) simultaneously.

Pediatric Rhythms

for Defibrillator training

VF Ventricular Fibrillation.
VT slow Ventricular Tachycardia. Wide QRS. Rate: 140.
AFLTR Atrial Flutter (2:1). Ventricular rate: 150.
SVT Supraventricular Tachycardia. Inverted P follows QRS. Rate: 240.
S TACH Sinus Tachycardia. Rate: 165.
NSR Normal Sinus Rhythm. Rate: 90.
ASYS Asystole.
SINUS PVC Sinus Rhythm with PVCs. Sinus rate: 90.

for External Pacer training

S BRDY Sinus Bradycardia. Rate: 50.
J BRDY Junctional Bradycardia. Rate: 60.
2nd II PVC 2nd deg. type II AV Block (5:4) with PVCs. Atrial rate: 60.
2nd II 2nd deg. type II AV Block (5:4). Atrial rate: 60.
3rd 3rd deg. AV Block. Ventricular rate: 60.

Defibrillation Exercise (cont.)

7. After discharge observe that:
   - On monitor, NSR is displayed.
   - At simulator, NSR indicator glows steadily, and VF indicator is off.

Deliver defibrillation discharge to convert automatically.

VF NSR