



Paediatric Manual

Defibrillation Protocol (*Zoll*)

(Children up to 12 years of age)

NOTE: Must be in consultation with a Medical Officer

PROCEDURE:

1. Verify unconsciousness, absence of breathing, and absence of pulse.
2. Prepare the patient's chest:
 - Remove / cut clothing to expose the chest
 - Ensure the chest is clean and dry
 - Remove / relocate ECG electrodes
 - Remove medication patch/s

DO NOT CONNECT THE MACHINE TO THE DEFIBRILLATION CABLE AT THIS STAGE

3. Turn the power switch to **ON**
4. Push **MANUAL MODE** soft key, followed by **CONFIRM** soft key
5. Use the **ENERGY SELECT** up/down button to select joules based on the following: -
 - a. 2 joules/kg for the first two shocks
 - b. 4 joules/kg for the third shock
6. Connect the Defibrillation Cable
7. Press **ANALYSE** button **DO NOT AT ANY TIME PRESS THE CHARGE BUTTON**
8. If the defibrillator diagnoses a shockable rhythm it will automatically charge up to the selected joules and the prompt "*PRESS SHOCK*" will be heard.
9. Warn everybody to "*STAND CLEAR*". **Check that no person or metal is in contact with the patient.**
10. Press **SHOCK** button
11. Check for carotid pulse
12. If no pulse repeat steps 7-11, at 4 joules/kg, up to three shocks (1 cluster) delivered.
13. Subsequent clusters are to be given at 1-2 minute intervals at 4 joules/kg. There will be no voice prompts. Check for pulse and then press the **ANALYSE** button. Follow steps 7-12 until a cluster is delivered.
14. If the prompt "*NO SHOCK ADVISED*" is given at any time during process, check pulse and commence CPR if no pulse detected
15. Should circulation be re-established: -
 - Attach monitoring lead and select **LEAD** button, and progress through to select LEAD II
 - Disconnect defibrillation lead
 - Activate monitor alarm by pressing **ALARM SUSPEND** buttonIf monitor alarm sounds: -
 - Confirm the patient to unconscious and pulseless
 - Reconnect defibrillation lead
 - Select pads by pressing **LEAD** button
 - Press **ANALYSE** button and follow steps 7-12
 - Turn off monitor alarm by holding down **ALARM SUSPEND** button for 4 seconds
16. Document events on progress notes in the patients file.

PAEDIATRIC

RECORDING: The defibrillator automatically records pre and post shock rhythms. To record other rhythms such as asystole, press the **RECORDER** button twice as the event occurs. The machine will hold a six second strip in the memory for a summary report.

SUMMARY: At the completion of the event press the **SUMMARY** button and select the soft keys **PRINT CHART**, **PRINT ALL** to obtain a summary of the whole resuscitation event. The event will remain in the memory until erased. Once there is no further need for the information press and hold the **SUMMARY** button for 4 seconds. Then press corresponding soft key confirm erase, to erase the summary. An "*ERASING REPORT*" notice will appear on the display.