



# Adult Semi-Automatic Defibrillation Protocol (*Zoll*)

ADULT

## 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 any medication patch/s
3. Turn the power switch to **ON**
4. Apply the defibrillation pads to the patient's chest:
  - One below the patient's right clavicle.
  - The other over the sixth intercostal space anterior to the left mid-axillary line
5. Press the **ANALYSE** button. The prompt '*ANALYSING PATIENT, STAND CLEAR*' will be heard.
6. If the prompt '*NO SHOCK ADVISED*' is given, check pulse and commence CPR
7. If the defibrillator diagnoses a shockable rhythm it will automatically charge to 150 joules and the prompt '*PRESS SHOCK*' will be heard. **Check that no person or metal is in contact with the patient;** push the **SHOCK** button to deliver the charge to the person.
8. The machine will follow the Australian Resuscitation Council guidelines and proceed with the algorithm to deliver up to three shocks to the patient – each time running through the voice prompts for the operator to actually deliver the shock. You will hear the prompt: '*DO NOT TOUCH PATIENT .... ANALYSING RHYTHM*' prior to each time the machine charges.
9. After three successive shocks, you will hear the prompt: '*CHECK PULSE ... IF NO PULSE, COMMENCE CPR*'. Whilst CPR is recommenced, the machine will wait one minute before prompting: '*DO NOT TOUCH PATIENT .... ANALYSING RHYTHM*'. Cease CPR to enable the machine to analyse the patient's cardiac rhythm.
10. If, at any time the machine detects a non-shockable rhythm, you will hear the voice prompt: '*CHECK PULSE ... IF NO PULSE, COMMENCE CPR*'. Commence CPR.
11. If pulse **present**:
  - Maintain ABC (airway, breathing and circulation). Administer Oxygen if available.
  - Place the victim in the coma/recovery position, until the patient is conscious.
  - Observe the victim closely.
12. If pulse **absent**:
  - Commence CPR as per Basic Life Support algorithm.
13. Document events on progress notes in the patients file.

**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.