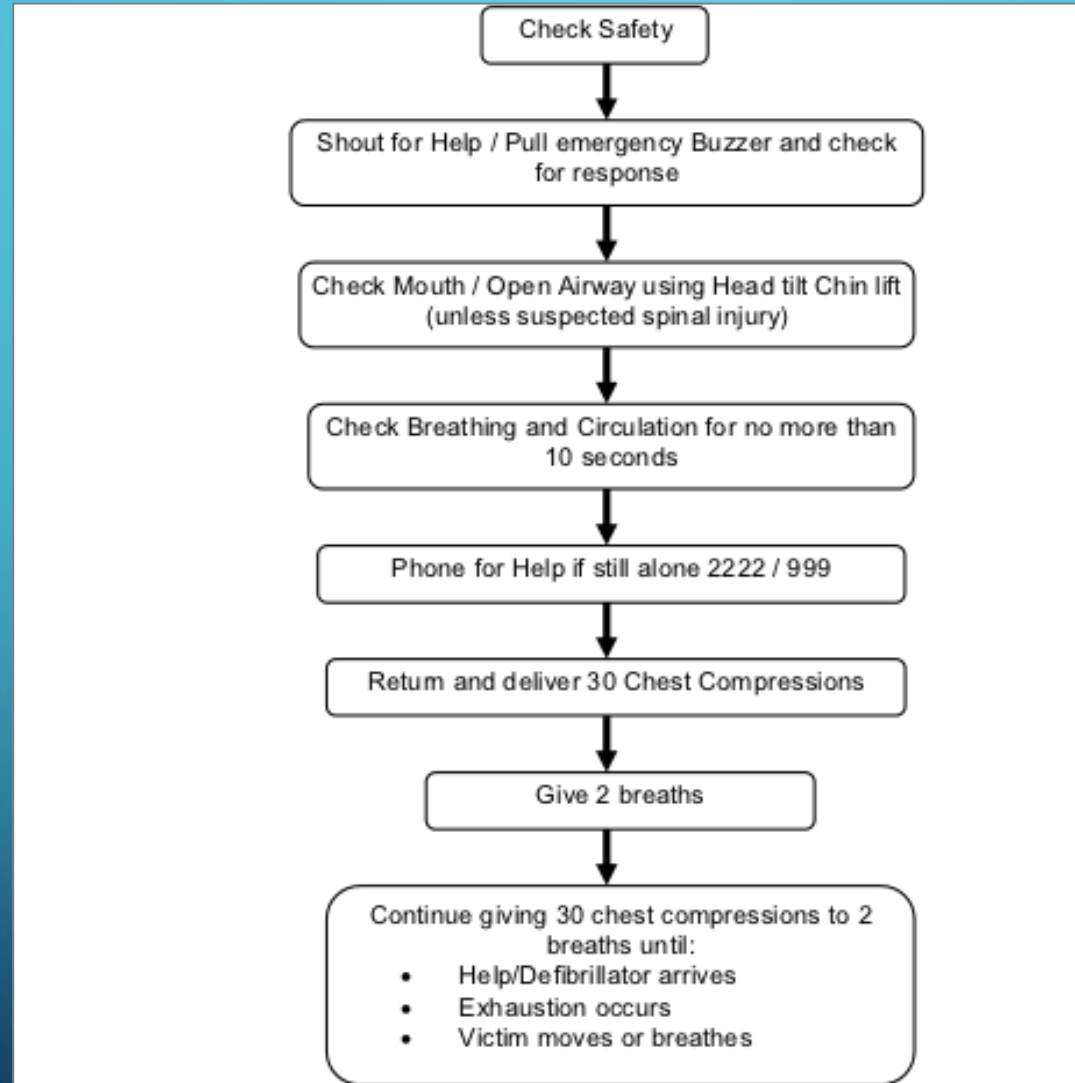




# CLINICAL SKILLS COURSE II ADVANCED CARDIAC LIFE SUPPORT

RIMA ALATARI

# BASIC LIFE SUPPORT (BLS)



# :BASIC LIFE SUPPORT (BLS)

1. CHECK RESPONSIVENESS; IF NONE, FOLLOW STEPS BELOW

ACTIVATE EMERGENCY RESPONSE SYSTEM

GET AUTOMATED EXTERNAL DEFIBRILLATOR (AED)

2. CHECK PULSE FOR < 10 SECONDS; IF NO PULSE, FOLLOW STEPS BELOW

START HIGH-QUALITY CARDIOPULMONARY RESUSCITATION (CPR) AT A COMPRESSIONS-TO-BREATHS RATIO OF 30:2

EVERY 2 MINUTES, CHECK PULSE, CHECK RHYTHM, AND SWITCH COMPRESSORS

HIGH-QUALITY CPR AND CHANGING RESCUERS EVERY 2 MINUTES IMPROVES A VICTIM'S CHANCE OF SURVIVAL

3. ATTACH AED AS SOON AS AVAILABLE; IF SHOCKABLE RHYTHM, DEFIBRILLATE AND THEN IMMEDIATELY START CPR

# BASIC LIFE SUPPORT (BLS)

## COMPRESSIONS:

CHECK PULSE AT CAROTID ARTERY

COMPRESSION LANDMARKS: LOWER HALF OF STERNUM BETWEEN THE NIPPLES

COMPRESSION METHOD: HEEL OF ONE HAND, OTHER HAND ON TOP

DEPTH: AT LEAST 2 IN (5 CM)

ALLOW COMPLETE CHEST RECOIL AFTER EACH COMPRESSION

COMPRESSION RATE: AT LEAST 100/MIN

COMPRESSION-TO-VENTILATIONS RATIO, 30:2



# **:BASIC LIFE SUPPORT (BLS)**

## **AIRWAY**

HEAD TILTED, CHIN LIFTED

JAW THRUST IF TRAUMA SUSPECTED

## **BREATHING**

RESCUE BREATHING EVER 5-6 SECONDS

DELIVER AT ABOUT 1 SECOND/BREATH

WATCH FOR VISIBLE CHEST RISE

# :BASIC LIFE SUPPORT (BLS)

## DEFIBRILLATION

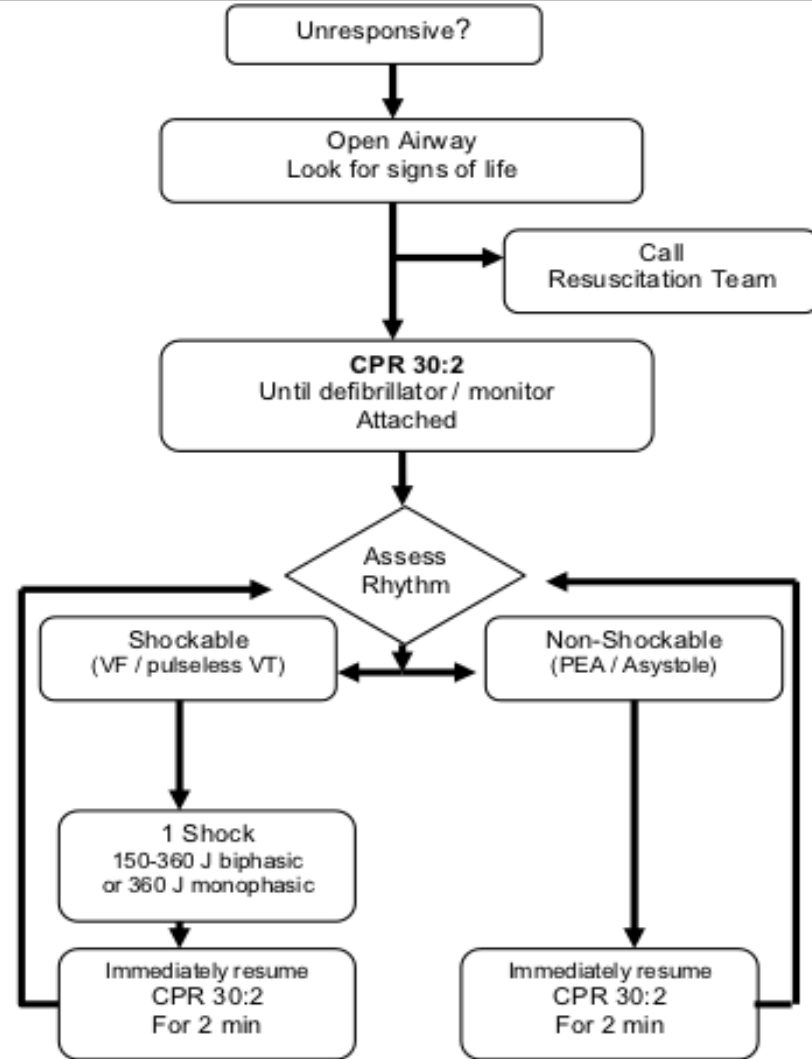
ATTACH AND USE AED AS SOON AS AVAILABLE

MINIMIZE INTERRUPTIONS IN CHEST COMPRESSIONS BEFORE AND AFTER SHOCK

RESUME CPR BEGINNING WITH COMPRESSIONS IMMEDIATELY AFTER EACH SHOCK



# ADVANCED CARDIAC LIFE SUPPORT

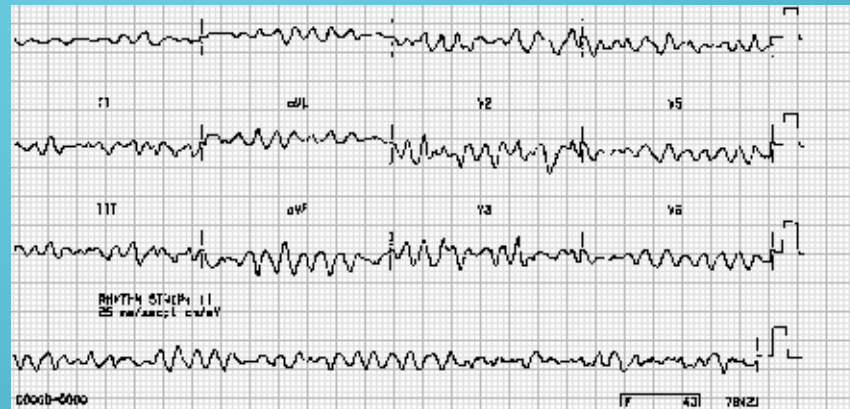


# ADVANCED CARDIAC LIFE SUPPORT

## CARDIAC RHYTHMS

:SHOCKABLE

VENTRICULAR FIBRILLATION



PULSELESS VENTRICULAR TACHYCARDIA

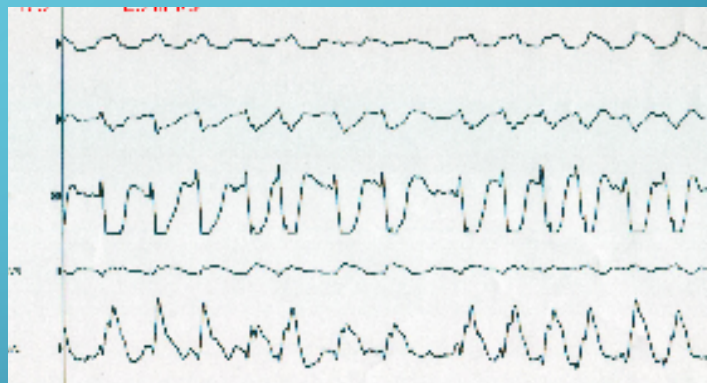




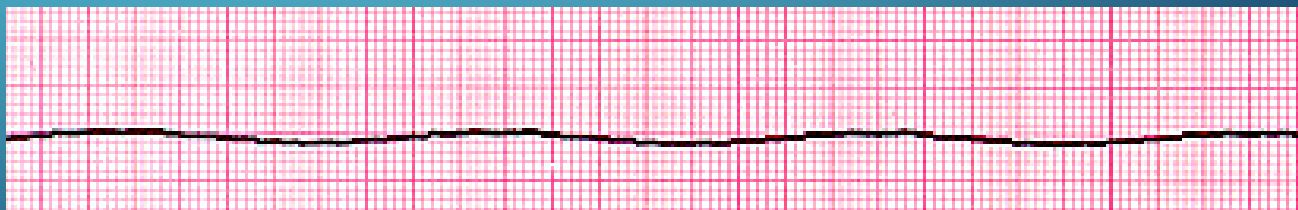
# ADVANCED CARDIAC LIFE SUPPORT

**:NOT SHOCKABLE**

PULSELESS ELECTRICAL ACTIVITY (PEA)



ASYSTOLE



# ADVANCED CARDIAC LIFE SUPPORT

## :REVERSIBLE CAUSES

TENSION PNEUMOTHORAX

HYPOXIA

TAMPONADE (CARDIAC)

HYPOVOLAEMIA

TOXINS HYPO/HYPERKALAEMIA/METABOLIC

THROMBOSIS (CORONARY OR PULMONARY)

HYPOTHERMIA

# ADVANCED CARDIAC LIFE SUPPORT

DURING ACLS:

CORRECT REVERSIBLE CAUSES

CHECK ELECTRODE POSITION AND CONTACT

:ATTEMPT / VERIFY

IV access

Airway and oxygen

GIVE UNINTERRUPTED COMPRESSIONS WHEN AIRWAY SECURE

MG DOSE OF IV/IO EPINEPHRINE EVERY 3 TO 5 1

GIVE DF SHOCK USED PADES AND SAY CLEAR



THANK YOU

