



Round : Emergency.....

Group no : A4.....

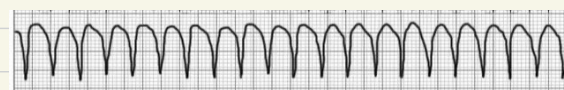
Done By : Batool ALzubaidi.....

- Cardiac arrest = the heart is not beating = there's no circulation = brain necrosis within 3-4 minutes
- What's your action in arrest? Start compression (100 - 120 rate with 2.5 inch depth and wait for chest recall) .. Rate of compression = 30:2 (half squeeze) with only 10 sec interruption between cycles



Mask cushion should be held in place on patient mouth to prevent air leak, you can either hold it yourself or ask someone else to, if there's no leak you should see chest expansion

- Now to know the patient has cardiac arrest? Check the carotid pulse for 10 seconds using index and middle finger on the same side of the patient, if no pulse » start compression.
- Most common cause of infant death » respiratory distress syndrome that's why you give more breaths (15:2 ratio to prevent hypoxia), compression using 2 thumbs or 2 fingers
- If you saw a patient unconscious on the floor what to do? Safety first, then tap the patient on the shoulder if no response check carotid pulse, bring AED, call for help, start compression
- You can use AED (automated external defibrillator), one patch is put on sternum the other on apex of the heart
- Check the airway if there's any foreign object » perform head tilt chin lift
- On AED there's 2 shockable rhythms (pulseless ventricular tachycardia, ventricular fibrillation), 2 non-shockable rhythms (asystole, pulseless electrical activity)
- Pulseless ventricular tachycardia » wide regular rapid QRS complex on ECG, no palpable pulse



- Ventricular fibrillation » irregular chaotic waveform with no identifiable P wave, QRS complex or T wave



- Asystole » straight nearly flat line



- Pulseless electrical activity » organized electrical activity (sinus rhythm, bradycardia, tachycardia) but with no pulse



- You should perform a high quality CPR with minimal interruptions .. A systole is a very bad indicator of CPR
- ACLS (advanced cardiac life support) » medications, tubes, monitor, you can check rhythm, epinephrine

