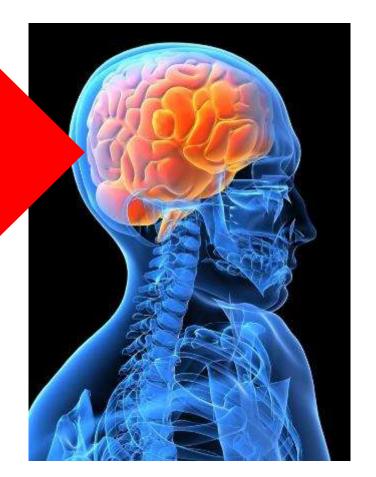
CPR & RECOVERY POSITION



Principles of Resuscitation

Supply Blood Oxygen





What is CPR?

Cardio

Heart

Pulmonary

Lungs

R

Resuscitation

Restart

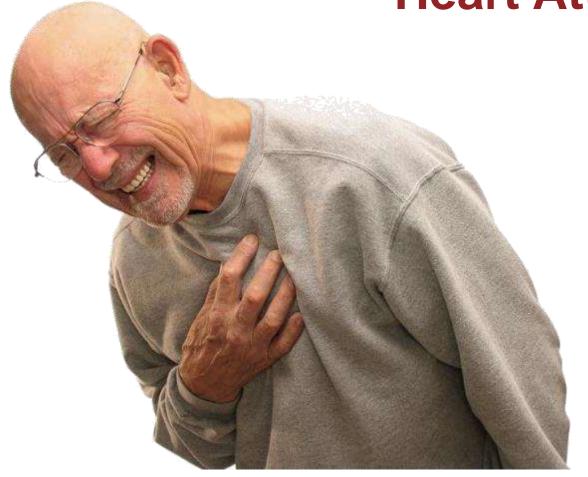


When is CPR needed?

- CPR is needed for casualty with the following conditions:
 - Unconscious
 - Abnormal breathing / No breathing

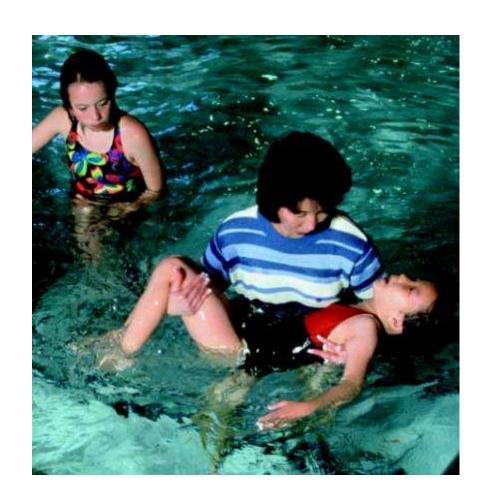








Drowning



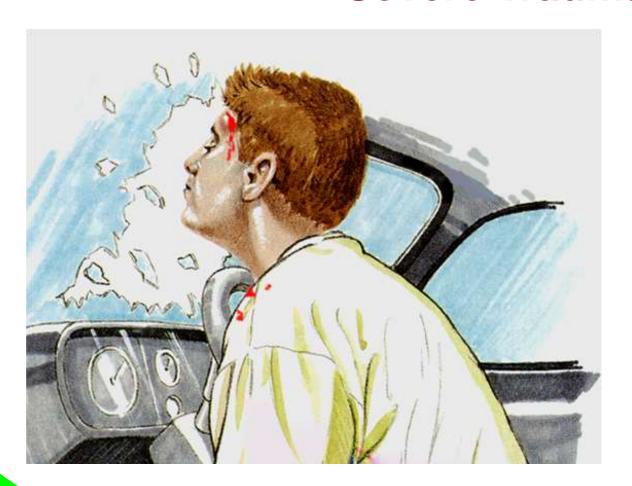




Electrocution



Severe Trauma







Choking

Universal sign for choking



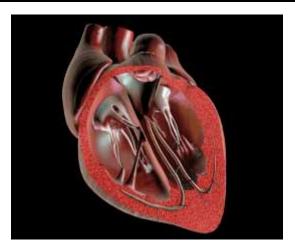
Sudden Cardiac Arrest 心脏骤停

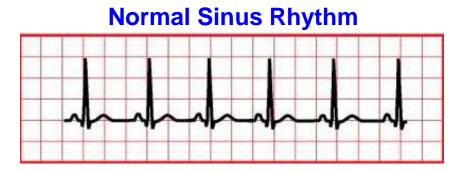
- SCA is not heart attack.
- Mainly abnormality of the heart's electrical system or structure that abruptly stops the heart from beating.
- If not promptly treated within minutes, it is usually fatal.

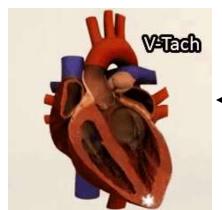
- · SCA 不是心脏病.
- 它是心脏因心电活动失常, 导致心脏停搏,血液循环停止
- 如不及时施救,可能导致死亡



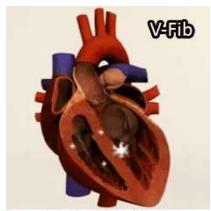
1st IN FIRST AID TRAINING



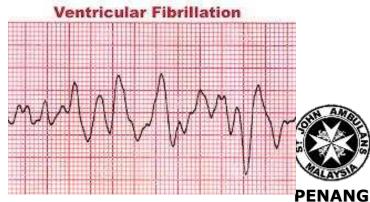




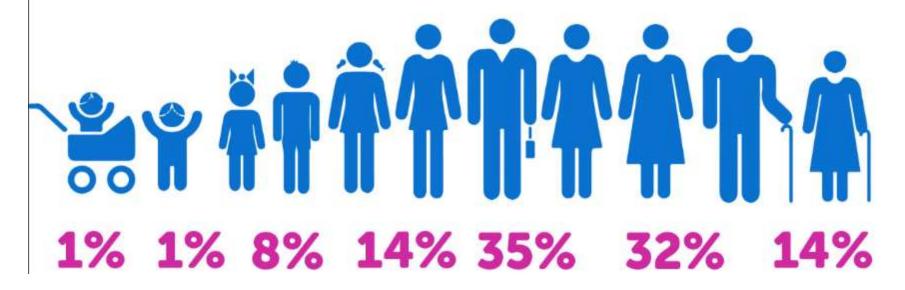
— Abnormal Rhythm —



Ventricular Tachycardia



OHCA can affect people of all ages at any time



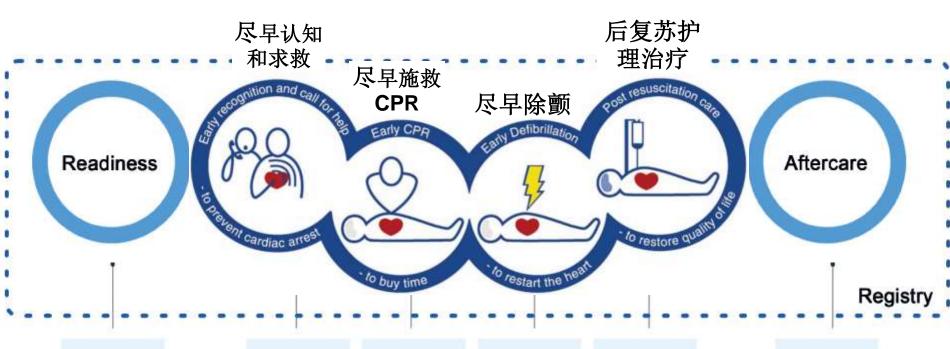
任何人,任何年龄,在任何地方,因某种原因 都可能发生心脏骤停 大部分都发生在医院范围以外







Chain of Survival



Culture of bystander action.

Community based training.

Advanced End of Life decision making Ambulance Control Centre identifies cardiac arrest.

Early dispatch.

Telephone guided CPR Bystander CPR

First Responder CPR

Excellent SAS resuscitation

Bystander Defibrillation

CFR Defib

Excellent SAS resuscitation

SAS Advanced Life Support

Transport to appropriate care

Standardised, cardio-cerebral resuscitation Recognition of the impact of OHCA on survivors and their families

Recognition of needs and offer of Rehabilitation



1st IN FIRST AID TRAINING

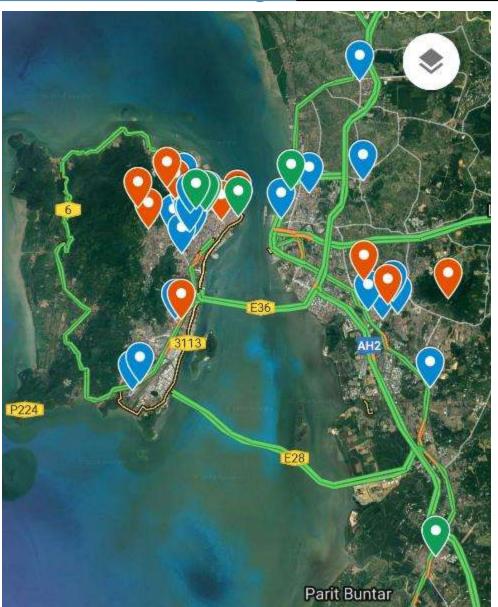


And Use AED!



Public access AED in Penang AED di Pulau Pinang







1st IN FIRST AID TRAINING



ST. JOHN AMBULANCE OF MALAYSIA

1st IN FIRST AID TRAINING

Program Heart-Safe Penang

- MBPP Pusat Bayaran Setempat
- KOMTAR (Lv 3)
- Kafeteria Taman Bandaraya
- Taman Botani Guard Post
- Bukit Bendera (Stesen Bawah)
- Bukit Bendera (Stesen Atas)
- Terminal Bas Eskpres Sg. Nibong
- Cherok Tekun (BM)
- Kompleks Sukan Jalan Betik
- Lobi Bangunan MPSP

Lain-lain Tempat

- SJAM Penang (HQ)
- Bulan Sabit Merah (HQ)
- LTA Penang (Kaunter Informasi)
- LTA Penang (Pintu Ketibaan)
- Penang Medical College
- Gereja Holy Name of Mary (Permatang Tinggi)
- Buddhist Tzu-Chi Kindergarten
- Buddhist Tzu-Chi Dialysis Center
- Buddhist Tzu-Chi Kindergarten (Nb Tebal)
- Buddhist Tzu-Chi Merits Society Malaysia
- Jing-Si Books & Café (B'woth)
- Jing-Si Book & Café (Pg)

Sekolah

- 1. SMJK Chung Ling B'worth
- 2. SMJK Chung Ling
- 3. SMJK Perempuan China
- 4. SMJK Chung Hwa Confucian
- 5. SMJK Phor Tay
- 6. SMJK Jit Sin
- 7. SMJK Union
- 8. SMJK Heng Ee
- 9. SM Han Chiang (Persendirian)
- 10. SRJK Kai Chee
- 11. SRJK Beng Teik
- 12. SRJK Pei Yu
- 13. SRJK Chung Hwa Pusat
- 14. SRJK Keow Kuang
- 15. SRJK Peng Bin
- 16. SRJK Chung Shan
- 17. SRJK Han Chiang
- 18. SRJK Han Bin





How to perform CPR & AED?



Follow sequence D.R.S.A.B.C.D

- Danger
- Response
- Shout for HELP
- Airway
- Breathing
- Circulation
- Defibrillation



DRS ABCD ACTION PLAN

D

Check for DANGER

Ensure the area is safe for yourself, others and the victim



确保自身,伤者 和他人的安全

R

Check for RESPONSE

- Tap on both shoulders
- "Hello, hello, are you OK?"



拍肩膀<mark>检查</mark>伤者 有无意识

S

SHOUT for HELP

Shout for help:

- "You call 999!" for ambulance
- "You get an AED!"





若无反应, 大喊救命! 派人拨打紧999 叫救护车和去拿 AED



Open AIRWAY

"head tilt chin lift" to open airway



打开伤者呼吸气 道。

用双手把伤者头 部抬高

В

Check for BREATHING

- Look at chest rise/ expansion
- If no breathing / abnormal breathing / gasping, start CPR



检查是否呼吸正 常。

把头靠近伤者, 耳听鼻口,眼看 胸膛。

如不正常或没呼吸,马上施救 CPR

C

Commence CPR

Start 30 chest compressions followed by 2 rescue breaths (compressions only If unwilling to give rescue breaths)

- 100-120 compressions / min
- Push hard and fast. 5-6cm depth
- Ensure full chest recoil after each compression





握紧手掌,放在 伤者胸膛中间。

手肘拉直,以腰 背部发力,推压 胸膛。

推压期间手掌不 可离开胸膛

心肺复苏术(2分钟持续重复)

30下胸膛推压: 2次人工呼吸 (如不方便给于人工呼吸,持 续做胸膛推压即可)

有效的胸膛推压:

- ✓速度 = 1分钟100至120下
- ✓快速和出力。深度= 5 6cm
- ✓确保每一下推压后,让胸膛 回弹恢复原本位置

PENANG

ST. JOHN AMBULANCE OF MALAYSIA

D

Attach DEFIBRILLATOR

- Attach AED immediately
- Ensure chest dry. Excess hair removed.
- Follow AED's instructions
- DO NOT TOUCH victim when AED analyze or deliver SHOCK
- Start CPR immediately when instructed by AED



Continue CPR until victim responds / normal breathing returns / ambulance arrives

1st IN FIRST AID TRAINING

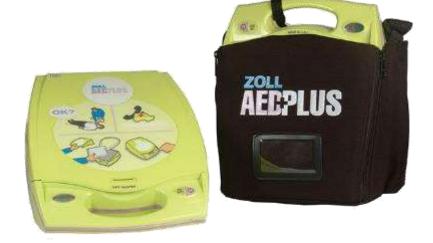
当心脏除颤器到达时:

- 1. 马上启开除颤器
- 2. 打开伤者衣服
- 3. 确保胸膛干燥,剃掉过 盛的体毛。
- **4.** 将除颤器电击胶贴粘在 胸膛上。
- 5. 根据除颤器的指示
- 6. 当除颤器正在验证心跳 状况或允许输送电击时, 确保任何人都不可触碰 伤者
- 7. 当除颤器指示做CPR时, 马上开始心肺复苏术, 直到下一次的指示

Automated External Defibrillator

自动体外心脏电除颤







Defibrillation



When AED arrives

Open the AED's lid and turn it ON







马上启开除颤器



ST. JOHN AMBULANCE OF MALAYSIA

1st IN FIRST AID TRAINING

Remove Clothing
Make sure Chest is Dry,
excess hair is removed

打开伤者衣服 确保<mark>胸膛干燥,剃掉</mark>过盛的体毛





Rescue accessory kit:

• Scissors 剪刀

• Blade 剃刀

• Towel 毛巾

• Wet wipe/sanitizer 消毒纸巾

• Face shield 人工呼吸面膜

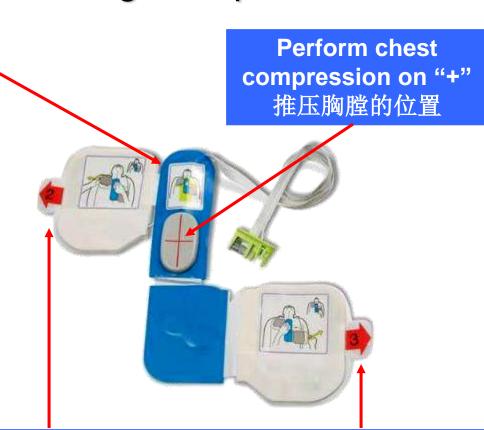
• Gloves 手套



Attach electrode pads on victim's chest. Remove protective backing from pads.

Place the pad onto the chest as per the diagram shown 根据图片显示将电击胶贴放在胸膛





2 & 3.

Pull the protective sheet following the arrow direction and then attach the pad on to the chest 将电击胶贴保护膜往箭头方向拉开,然后把胶贴黏上胸膛

Analysing rhythm, **DO NOT TOUCH victim!**

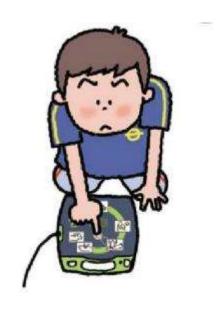
当除颤器正在验证心跳状况时确保任何人都不可触碰伤者!!!





Shock indicated

If AED advises a shock, Press Shock Button then follow AED instructions





当除颤器允许输送电击时,按电击按钮之前 确保任何人都不可触碰伤者!!!

电击输送过后,继续根据除颤器的指示



No Shock advise

If AED does not advise a shock, Start CPR immediately.

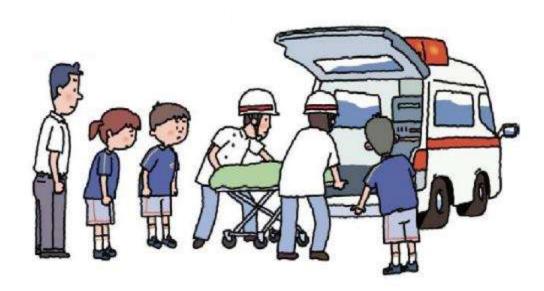
AED will re-analyse victim's heart after every 2 mins.



当除颤器不允许输送电击,马上开始心肺复苏术, 直到下一次的指示 除颤器将每两分钟检查伤者心跳状况



Continue CPR & follow AED instructions until ambulance arrive or victim regains consciousness



继续心肺复苏术直到 伤者恢复意识,恢复正常呼吸,或急救人员到达现场



Liability & Cost

- There are no reported lawsuits involving use of an AED. All suits revolve around the failure to have or use of AED.
 - AED不会随便电击不 需要除颤的伤者

• 末前还没有任何涉及

备或使用AED。

使用AED的诉讼。所

有的诉讼都属未能具

 AED cannot shock anyone who does not need to be shocked.



When to stop CPR

- Casualty revived with sign of life
 - Coughing, breathing & movement
- Hand over to ambulance personal / doctor.
- Someone take over from you
- · Rescuer (you) are too tired to continue



Remember!!!

- Minimal Interruptions to chest
 Compressions (not more than 10 sec)
- Avoid hyperventilation
- Vomit turn to lateral
- Dentures don't remove except it's loose or ill-fitting
- Use of Personal Protective Equipment (PPE)
- Chest Compression Only CPR





 To Maintain Open Airway, prevent tongue from obstructing airway

Drain out the vomitus

Comfortable position





- Angle the nearer hand
- Make sure that both of the casualty's legs are straight





Place the further hand next to cheek





Bend the further leg





- Turn patient towards you
- Make sure the upper leg is bent at right angle
- Maintain open airway







