Beaty

By Medical Feedback Technologies LTD

FAQ

Q: When should I start performing CPR?

A: If victim is unconscious (Does not respond to shaking or calling his name), look for breathing or only gasps. If not breathing call for help and start compressing his chest to a depth of 5cm. Beaty will help you in providing effective chest compressions.

Q: What does CPR do?

A: When the heart stops from beating, blood flow to the brain and vital organs ceases. Within 4 minutes the damage to the brain is irreversible. Effective CPR allows blood flow to the brain, preventing permanent damage. CPR can triple chances of survival.

Q: When should I use Beaty?

A: Beaty should be used in every case where CPR is indicated. As gauging the exact compression depth is almost impossible, Beaty will help you by providing real-time audible feedback when applying adequate force during chest compressions.

Q: Do I have to be well trained before using Beaty?

A: Beaty was designed to be very intuitive so every person will be able to use it in case of a medical emergency. A sketch upon the device will guide you where to place it. After locating the device between your palms and victim's chest- start compressing until audio feedback is achieved. The sound provided by the device indicates you are compressing effectively.

Q: What about ventilation? Is it unnecessary?

A: Based on extensive research, the current CPR guidelines put emphasize on effective chest compressions. If you are trained and feel safe with ventilating the victim, combination of chest compressions and ventilation is recommended at a rate of 30 compressions followed by 2 rescue breaths. For untrained rescuers or in case you don't feel safe or comfortable with ventilating the victim - chest compressions only CPR is recommended (Based on similar survival rates with either "Hands only" CPR or CPR with both chest compressions and mouth to mouth ventilation)

Q: What is the recommended compression rate?

A: The recommended compression rate is 100-120/min. This can be estimated by following the rhythm of the song "Stayin' alive/Bee Gees". Also, most AED's have a built-in metronome that dictates the recommended rate.

It is important to pay attention that pushing fast does not result in shallower depth.

Q: How about other parameters not provided by the device (Rate, chest recoil etc.)?

A: Effective CPR is composed from several parameters and not only compression depth. It is important to understand though, that medical emergencies are very stressful (especially when it comes to our loved ones). Too much information provided by feedback device, during real time CPR, can confuse lay rescuers and result in ineffective CPR. The major gap nowadays is in estimating compression depth (rate can be estimated by using other means) and many studies show suboptimal compression depth, even among professionals.

Beaty provides an effective, simple and affordable solution and was confirmed in experiments for effectiveness and usability that were conducted by our team of doctors and engineers.

Q: Does the use of Beaty replace AED?

A: NO! An AED is always recommended as part of CPR and is necessary when cardiac arrest is due to an arrhythmia. Beaty should be used in alongside the use of an AED- Chest compressions should be performed before and after the use of AED, regardless of its action (shock advice).

It should be noted that recent studies showed better survival rates following cardiac arrest due to arrhythmia, when effective chest compressions were performed before and after defibrillation.

Q: Can Beaty be used on children?

A: Beaty designed to use on victims 8 years old and above.

Q: What if during CPR, ribs are fractured?

A: It is important to understand that deeper compressions increase survival rate. During effective CPR, skeletal injuries may happen but none of them are fatal. Rib fractures are an acceptable alternative for death due to cardiac arrest.

As mentioned earlier, Beaty is set to provide feedback in line with the recommended CPR guidelines.