

Star Army Combat Applied Pacemaker, Type 42

History

Star Army medics and search and rescue personnel participating in the ongoing [peacekeeping initiative](#) on [Gashmere](#) often found themselves overtaxed with battle casualties and often struggling to provide adequate chest compressions to injured [Kodian](#) personnel. The Combat Applied Pacemaker was initially fabricated in the field by [combat rescue](#) personnel and further refined by [SARA's Development Division](#). Currently the [Acquisitions Division](#) stewards the design granting various Yamatai based companies the right to produce the Combat Applied Pacemaker for Star Army and civilian applications.

Description

Lovingly called the CAP by Star Army and Rikugun Search and Rescue forces, the Combat Applied Pacemaker is a new lifesaving technology designed for use on most species known in the Star Army of Yamatai, and can be used on both military and noncombatants with equal efficacy, assuming that the heart is in the central thoracic cavity as is the case with most humanoids. It is also used by [Star Army Emergency Services](#) and many civilian EMT services, as an alternative to CPR or other methods of cardiopulmonary manual actuation.

The Type 42 CAP was designed to provide a working heartbeat on most known Star Army species. Due to species differences in the location of the heart, a simple and foolproof method was necessary to actuate the heart whilst getting around the nanomachine sensitivity of several species¹⁾ (or the relative delicate nature of others), and the often arduous process of identifying patient species. While the method of application is inaccurate and causes other traumas, the needle delivers a 1 hz high amplitude short form triangle wave alternating current to establish rhythm, even if the needle has missed the septum of the heart.

Usage

The Type 42 CAP does not interfere with TENS pneumoregulative devices.

Installation:

1. Verify the patient has no heartbeat
2. Take battlefield pacemaker from the patient's IFAK.
3. With non dominant hand, index base of sternum with ring finger
4. Curl pointer and middle finger and lay the thumb on the first knuckle of the pointer finger.
5. Place thumb to find direct center of sternum.

6. Brace tip of needle at point of thumb on sternum
7. Take non dominant hand off of chest, use to stabilize needle
8. Use dominant hand to sledge hammer the needle in through the sternum.
9. Once you hear a crack and your hand stops moving, let go of the device.
((When using this device on Tsulrati personnel, you may actually need a sledgehammer. Recommended weight 2 lb.))
10. The impact will have actuated the switch.
11. The device will automatically read for a pulse and start giving an electrical shock at 1 hertz((1 cycle per second)).

OOO Notes

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With aid from [Madi Harper](#)

STAR ARMY COMBAT APPLIED PACEMAKER, TYPE 42

Products & Items Database	
Product Categories	medical
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Namely [Tsulrati](#)

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