

## Manikin Augmentation Device (MAD) project

The device enhances the use of existing manikins. The MAD additions include:

- Peripheral and central pulses
- Chest movement for spontaneous breathing
- A pulse oximeter
- BP cuff and manometer
- A desk top or hand held control box for pulse rate, blood pressure, respiratory rate, oxygen saturation and pneumothorax.

The first augmented manikin was the neonatal simulator 'Neo', which is used for newborn resuscitation training. The technology is also able to run a 5 year old child manikin (Trinity), and an adult manikin (Morpheus). Morpheus has visited caves, car wrecks and a variety of other outdoor environments to help train doctors and specialist ambulance officers involved in pre-hospital resuscitation. The manikins are commercially available and retro fitted with the MAD technology.

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