



Case Report
Vol. 1, No. 8

AutoPulse™ Resuscitation System

Patient	66 year old male, 100kg
Hx	N/A
Presenting Rhythm	VT
Witnessed Cardiac Arrest	Yes
Estimated Downtime to AutoPulse Use	12 minutes minimum

EVENT RECORD

- An employee collapsed in front of a co-worker and was found to be in cardiac arrest. The co-worker gave the patient CPR prior to EMS arrival.
- The paramedic ambulance arrived approximately 6 minutes after the arrest.
- The patient was found in VT, and after the first shock was delivered, converted to asystole. Manual CPR was continued. Problems establishing IV access prevented drug delivery.
- The AutoPulse arrived with the second medic unit, approximately 3-4 minutes after the paramedic ambulance arrived on scene. Once deployed, the AutoPulse was operated for less than a minute when the patient converted into VF.
- The patient was defibrillated again, and had ROSC. An IV was established and post conversion lidocaine was administered.
- During transport, the patient had runs of VT.
- The patient's BP was 160 by palpation.
- Patient was transported to ED and transferred to cath. lab for immediate procedure to treat an occluded coronary artery.

KEY RESULTS

- Patient was awake and talking the same day; discharged neurologically intact 5 days later.
- During several minutes of manual CPR, no rhythm change was observed.
- During AutoPulse operation, the patient's rhythm converted from asystole to VF within one minute, without drugs.