



Case Report
Vol. 3, No. 1

AutoPulse™ Resuscitation System

Patient	61 year old male
Hx	CAD, CABG, high cholesterol
Presenting Rhythm	VF
Witnessed Cardiac Arrest	Yes
Estimated Downtime to AutoPulse Use	7 minutes

EVENT RECORD

- The patient collapsed in a restaurant in front of his wife and other patrons. An off duty RN on scene performed CPR prior to fire department arrival 3 minutes later.
- The patient was found in a shockable rhythm and was unsuccessfully defibrillated twice with the fire department's AED.
- 2 minutes later, the paramedic unit arrived and deployed the AutoPulse.
 - a. After the first 15 compressions, the patient was intubated and placed on the heart monitor. The patient was then defibrillated into asystole.
 - b. The AutoPulse was restarted; after the 13th compression the patient had ROSC.
- The patient then had a BP of 138/40, HR 96 sinus rhythm with PVC's, and was still being ventilated. The initial ET CO₂ was 58 mm Hg while the AutoPulse was operating, dropping to 36 mm Hg after ROSC.
- An initial IV was established and a saline bolus was given. A second line was started for a post conversion lidocaine drip.
- The patient was transported to the ED where he began to try to breathe around the tube, requiring sedation.
- The patient was discharged 7 days later after undergoing angiography that measured an ejection fraction of 20%. He subsequently had a CABG and ICD placement.

KEY RESULTS

- The patient had ROSC without drugs and after three unsuccessful defibrillation attempts, in spite of his CAD. The patient went from asystole to ROSC after 13 compressions from the AutoPulse.
- The patient was discharged neurologically intact 7 days later.

For additional information, contact ZOLL Medical Corporation at (800)-348-9011.