



Case Report
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AutoPulse™ Resuscitation System

Patient	77 year old female, 80 kg
Hx	Hypertension
Presenting Rhythm	Sinus bradycardia
Witnessed Cardiac Arrest	Yes
Estimated Downtime to AutoPulse Use	1 minute

EVENT RECORD

- Medics initially dispatched for shortness of breath. The patient had recently arrived in town following a long flight. Patient found unresponsive at her son's house, with weak pulses at a rate of 20.
- The patient went into respiratory failure and was intubated. An IV was started and the patient was paced at a rate of 80.
- The patient arrested, and manual CPR initiated while the AutoPulse was deployed. The patient was in asystole. Epinephrine and atropine were administered per protocol.
- After less than a minute of AutoPulse operation, fluid began to spray out of ET tube. The AutoPulse was stopped to confirm correct ET tube placement and for suction.
- Restarted AutoPulse. After a minute, the paramedic noticed change in the rhythm on the monitor.
- The AutoPulse was stopped and the patient had a pulse with a sinus rhythm on the monitor with a BP of 90 by palpation and an SpO₂ of 100%.
- The patient had spontaneous respirations and was transported to ED with BP 140 by palpation, HR 120, and RR of 14-16/minute.

KEY RESULTS

- Patient was in asystole, so defibrillation was not indicated.
- Converted to a perfusing rhythm with the AutoPulse and drugs. No shocks were indicated or delivered.
- Patient was admitted to hospital. Good changes in the ECG were noted.
- Patient was discharged neurologically intact.

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