**Queen’s University Internal Medicine Simulation Course**

**Case:** PEA

**Synopsis:**

83 year old patient with pneumonia found in PEA.

**Number of Participants:**

1 – 2 senior medicine residents

**Objectives:**

Residents will be able to recognize PEA and manage appropriately.

**Stem:**

You are the senior internal medicine resident on-call. You have been called by the nursing staff as the patient was found unresponsive and without respiratory signs. The patient was admitted the day before with community acquired pneumonia. Patient had been stable today, no signs of distress however continued to need 4L of oxygen.

**Roles:**

1) Primary Senior Internal Medicine Resident

2) Secondary Senior Internal Medicine Resident (optional)

3) Nurse

**Script for Roles:**

Nurse: You decided to check on Mr. Smith because when you assessed him at shift change he didn’t “look great”. On arrival Mr. Smith has no vital signs, you shouted down the hall for a code blue and started chest compressions.

**PEA Arrest**

**Setting:** Hospital Inpatient bed

**Manikin:**

* Hospital gown
* 18 gauge peripheral IV TKVO
* Oxygen 4L nasal prong

**Resources:** IV’s, normal saline, 5% albumin, pentaspan, volunen, blood products, levophed, dopamine, dobutamine, antibiotics, crash cart

**Initial Parameters:**

**Patient:** Unresponsive, not breathing

**Vitals:** BP 0/0, HR 40, RR 0, O2 sat 0% on 4L, Temp 37.8 C

Eyes: Closed

Lungs: No breathing

Heart Sounds: None

Heart Rhythm: Pulses Electrical Activity

Scenario Flow Chart

