

****Medical Report for Patient 006-101426****

****1. Patient Information****

* **Patient Unit Stay ID:** 896028 * **Patient Health System Stay ID:** 668199 * **Unique Patient ID:** 006-101426 *
Gender: Male * **Age:** 64 * **Ethnicity:** Caucasian * **Hospital ID:** 155 * **Ward ID:** 362 * **Unit Type:**
Med-Surg ICU * **Unit Admit Source:** Emergency Department * **Unit Admit Time:** 21:47:00 * **Unit Discharge Time:**
20:30:00 * **Unit Discharge Status:** Expired * **Hospital Admit Time:** 20:31:00 * **Hospital Discharge Time:** 20:30:00
* **Hospital Discharge Status:** Alive * **Hospital Discharge Location:** Home * **Admission Weight:** 56.3 kg *
Discharge Weight: 61.5 kg * **Admission Height:** 175 cm * **APACHE Admission Dx:** Cardiac arrest (with or
without respiratory arrest; for respiratory arrest see Respiratory System)

****2. History****

NULL (Insufficient information provided in the JSON data to generate a detailed patient history.)

****3. Diagnoses****

The patient presented with multiple diagnoses during their ICU stay. The diagnoses, their ICD-9 codes, and priority are listed below:

* **Diagnosis 1 (Primary):** pulmonary|respiratory failure|respiratory arrest (ICD-9: 799.1, R09.2) Entered 53 minutes after unit admit. * **Diagnosis 2 (Major):** neurologic|altered mental status / pain|encephalopathy|post-anoxic (ICD-9: 348.1, G93.1) Entered 3303 minutes after unit admit. * **Diagnosis 3 (Major):** neurologic|altered mental status / pain|encephalopathy (ICD-9: 348.30, G93.40) Entered 53 minutes after unit admit. * **Diagnosis 4 (Major):** cardiovascular|cardiac arrest|cardiac arrest (ICD-9: 427.5, I46.9) Entered 53 minutes after unit admit. * **Diagnosis 5 (Major):** cardiovascular|cardiac arrest|cardiac arrest (ICD-9: 427.5, I46.9) Entered 3303 minutes after unit admit.

Note that `activeupondischarge` indicates whether the diagnosis was active at the time of discharge. `diagnosisoffset` shows when each diagnosis was documented relative to unit admission time. The sequence of diagnoses does not necessarily reflect severity. Diagnosis priority is indicated as Primary or Major.

****4. Treatments****

The patient received the following treatments:

* **Treatment 1:** pulmonary|ventilation and oxygenation|mechanical ventilation. Entered 53 minutes after unit admit, inactive upon discharge. * **Treatment 2:** pulmonary|ventilation and oxygenation|mechanical ventilation. Entered 3303 minutes after unit admit, active upon discharge.

****5. Vital Trends****

NULL (Insufficient data provided to generate vital sign trends. The physical exam data only contains single measurements of heart rate, blood pressure and respiratory rate at one time point.)

****6. Lab Trends****

The patient underwent numerous laboratory tests. Detailed trends require a time-series analysis of the lab results, which cannot be fully performed with the provided data. However, we can observe some key lab values at different time points:

* **Initial Blood Gas (around 6 hours):** pH 7.407, PaO2 97.7 mmHg, PaCO2 39.1 mmHg, HCO3 24.5 mmol/L, Base Excess 0.1 mEq/L, FiO2 0.3%, O2 Sat 97.5% * **Blood Gas at 8 hours:** pH 7.443, PaO2 92.6 mmHg, PaCO2 36.8

mmHg, HCO3 25.5 mmol/L, Base Excess 1.2 mEq/L, FiO2 0.3%, O2 Sat 97.5% * **Blood Gas at 13.2 hours:** pH 7.42, PaO2 80.4 mmHg, PaCO2 38 mmHg, HCO3 24.7 mmol/L, Base Excess 0.3 mEq/L, FiO2 30%, O2 Sat 96% * **Chemistry Panel at 11.7 hours:** BUN 17 mg/dL, Creatinine 0.51 mg/dL, Potassium 4 mmol/L, Glucose 104 mg/dL, Total Bilirubin 0.4 mg/dL, Total Protein 5 g/dL, Albumin 2.2 g/dL, Chloride 117 mmol/L, Alkaline Phosphatase 124 U/L, AST 104 U/L, ALT 96 U/L, Calcium 8.4 mg/dL * **Hematology panel at 8.5 hours:** WBC 6 K/mcL, Hct 28%, Hgb 9.4 g/dL, MCV 90 fL, MCH 30 pg, MCHC 33.6 g/dL, RDW 15.9%, Platelets 123 K/mcL, -lymphs 5%, -monos 6%, -polys 88%, -eos 0%, -basos 0% * **Chemistry Panel at 17 hours:** BUN 17 mg/dL, Creatinine 0.63 mg/dL, Potassium 4.2 mmol/L, Glucose 110 mg/dL, Total Bilirubin 0.3 mg/dL, Total Protein 5.4 g/dL, Albumin 1.9 g/dL, Chloride 114 mmol/L, Alkaline Phosphatase 159 U/L, AST 72 U/L, ALT 60 U/L, Calcium 8.5 mg/dL * **Hematology Panel at 17 hours:** WBC 11.4 K/mcL, Hct 30.1%, Hgb 10.1 g/dL, MCV 88 fL, MCH 29.6 pg, MCHC 33.6 g/dL, RDW 15.8%, Platelets 151 K/mcL, -lymphs 3%, -monos 6%, -polys 90%, -eos 0%, -basos 0% * **Later Blood Gas (around 13 hours):** pH 7.45, PaO2 69.6 mmHg, PaCO2 40.6 mmHg, HCO3 27.9 mmol/L, Base Excess 3.9 mEq/L, FiO2 0.4%, O2 Sat 93.8% * **Blood Gas (Initial):** pH 7.31, PaO2 447 mmHg, PaCO2 47.4 mmHg, HCO3 22.2 mmol/L, Base Excess -2.8 mEq/L, FiO2 100%, O2 Sat 99.7% * **Blood Gas (Final):** pH 7.449, PaO2 71.1 mmHg, PaCO2 39.3 mmHg, HCO3 27.1 mmol/L, Base Excess 3.1 mEq/L, FiO2 50%, O2 Sat 93.9%

7. Microbiology Tests

NULL (No microbiology test results are included in the JSON data.)

8. Physical Examination Results

A structured physical exam was performed. The initial vital signs were: Heart rate 54 bpm (lowest and current), 57 bpm (highest), systolic blood pressure 109 mmHg (lowest and current), 118 mmHg (highest), diastolic blood pressure 55 mmHg (lowest and current), 56 mmHg (highest), respiratory rate 20 breaths/min (lowest and current), 20 breaths/min (highest), O2 saturation 100% (lowest, current, and highest), FiO2 100%, PEEP 5 cm H2O, and ventilation rate 20 breaths/minute. The Glasgow Coma Scale (GCS) was 15 (Eyes 4, Verbal 5, Motor 6).