Medical Report: Patient 002-11232

1. Patient Information

* **Patient Unit Stay ID:** 238463 * **Unique Patient ID:** 002-11232 * **Gender:** Male * **Age:** 83 * **Ethnicity:** Caucasian * **Hospital Admission Time:** 2015-XX-XX 03:15:00 * **Hospital Admission Source:** Emergency Department * **Hospital Discharge Time:** 2015-XX-XX 23:00:00 * **Hospital Discharge Status:** Expired * **Hospital Discharge Location:** Death * **Unit Type:** Med-Surg ICU * **Unit Admission Time:** 2015-XX-XX 03:57:00 * **Unit Admission Source:** Emergency Department * **Unit Discharge Time:** 2015-XX-XX 23:00:00 * **Unit Discharge Status:** Expired * **Unit Discharge Location:** Death * **Admission Weight:** 103.9 kg * **Discharge Weight:** 100.5 kg * **Admission Height:** 180.3 cm * **Admission Diagnosis:** Cardiac arrest (with or without respiratory arrest)

2. History

NULL (Insufficient data provided)

3. Diagnoses

* **Primary Diagnosis:** Cardiac arrest (as per `apacheadmissiondx`) Further diagnostic information is needed to establish secondary diagnoses.

4. Treatments

NULL (Insufficient data provided)

5. Vital Trends

The available physical exam data shows trends in vital signs at two time points:

* **Time Point 1 (19 minutes post unit admission):** * Heart Rate (HR): 125 bpm (Current, Lowest, Highest) * Blood Pressure (BP) Systolic: 75 mmHg (Current, Lowest, Highest) * Blood Pressure (BP) Diastolic: 60 mmHg (Current, Lowest, Highest) * Respiratory Rate: 33 breaths/min (Current, Lowest, Highest) * Oxygen Saturation (O2 Sat): 97% (Current, Lowest, Highest) * Central Venous Pressure (CVP): 18 mmHg * FiO2: 100% * PEEP: 8 cm H2O * Ventilator Rate: 20 breaths/min * Weight: 103.9 kg * Intake & Output: 0 ml (Intake Total, Output Total, Dialysis Net, Total Net) * Glasgow Coma Scale (GCS): 3 (Eyes: 1, Verbal: 1, Motor: 1)

* **Time Point 2 (54 minutes post unit admission):** * Heart Rate (HR): 128 bpm (Current), 125 bpm (Lowest), 128 bpm (Highest) * Blood Pressure (BP) Systolic: 104 mmHg (Current), 75 mmHg (Lowest), 104 mmHg (Highest) * Blood Pressure (BP) Diastolic: 82 mmHg (Current), 60 mmHg (Lowest), 82 mmHg (Highest) * Respiratory Rate: 34 breaths/min (Current), 33 breaths/min (Lowest), 34 breaths/min (Highest) * Oxygen Saturation (O2 Sat): 95% (Current), 91% (Lowest), 97% (Highest) * Central Venous Pressure (CVP): 21 mmHg * FiO2: 100% * PEEP: 8 cm H2O * Ventilator Rate: 20 breaths/min * Weight: 103.9 kg * Intake & Output: 0 ml (Intake Total, Output Total, Dialysis Net, Total Net) * Glasgow Coma Scale (GCS): 3 (Eyes: 1, Verbal: 1, Motor: 1)

Significant changes observed include an increase in systolic blood pressure and respiratory rate, and a slight decrease in oxygen saturation between the two time points. The GCS remains critically low. More frequent and comprehensive vital sign monitoring is required for a complete trend analysis.

6. Lab Trends

The provided lab data includes multiple tests performed at various time points (offset from unit admission time) during the patient's stay. There are several chemistry, hematology, and blood gas results available. A comprehensive trend analysis

requires plotting these results against time to identify patterns and significant changes. The following labs show some notable values:

* **Lactate:** Levels show a concerning upward trend, rising from 2.5 mmol/L to 9.9 mmol/L to 4.5 mmol/L and finally 6.3 mmol/L, indicating potential metabolic acidosis and tissue hypoperfusion. * **Potassium:** Elevated levels (5.6 mmol/L and 5.5 mmol/L), potentially indicating hyperkalemia, a serious condition. * **Calcium:** Initially low then elevated (8.8 mg/dL, 8.1 mg/dL, 7.6mg/dL, 7.4mg/dL), indicating possible electrolyte imbalances. * **Creatinine:** Initially elevated (1.33 mg/dL, 1.57 mg/dL, 1.64 mg/dL, 1.88 mg/dL), suggesting impaired kidney function. * **ALT (SGPT) and AST (SGOT):** Both show very high levels (174 Units/L and 1940 Units/L, respectively), indicating significant liver damage. * **Blood Gases (ABGs):** Multiple ABGs show evidence of acidosis (pH 7.17, 7.19, 7.2, 7.25), hypoxemia (paO2 425 mmHg, 243 mmHg, 150 mmHg, 124 mmHg), and a high base deficit (12 mEq/L, 11 mEq/L, 8 mEq/L, 11 mEq/L).

7. Microbiology Tests

NULL (Insufficient data provided)

8. Physical Examination Results

As detailed in section 5, physical examinations were performed at multiple time points. These examinations recorded vital signs, and a GCS score of 3 (Eyes:1, Verbal: 1, Motor: 1) indicative of severe neurological impairment. Additional physical exam details are needed for a complete assessment.