Patient Medical Report

1. Patient Information

* **PatientUnitStayID:** 942529 * **Unique Patient ID:** 006-101907 * **Gender:** Male * **Age:** 73 * **Ethnicity:** Caucasian * **Hospital Admission Time:** 2014-XX-XX 00:07:00 (Hospital Admit Offset: -10045 minutes from unit admit) * **Hospital Admission Source:** Operating Room * **Hospital Discharge Time:** 2014-XX-XX 23:50:00 (Hospital Discharge Offset: 4338 minutes from unit admit) * **Hospital Discharge Location:** Home * **Hospital Discharge Status:** Alive * **Unit Type:** CSICU * **Unit Admission Time:** 2014-XX-XX 23:32:00 * **Unit Admission Source:** Operating Room * **Unit Visit Number:** 1 * **Unit Stay Type:** Admit * **Admission Weight:** 85 kg * **Discharge Weight:** 85 kg * **Unit Discharge Time:** 2014-XX-XX 17:42:00 (Unit Discharge Offset: 1090 minutes from unit admit) * **Unit Discharge Location:** Step-Down Unit (SDU) * **Unit Discharge Status:** Alive * **Admission Height:** 190.5 cm * **APACHE Admission Dx:** Tricuspid valve surgery

2. History

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

3. Diagnoses

The patient presented with multiple diagnoses related to cardiac surgery and valve replacement, all marked as Primary. Specific ICD-9 codes are missing from the record. The diagnoses included:

* **Tricuspid valve replacement < 7 days** (DiagnosisID: 11162978, 10349533, 10551602, 12706851) * **Aortic valve replacement < 7 days** (DiagnosisID: 10568560, 11147294, 12463800, 12309403)

Note that some diagnoses were active upon discharge (DiagnosisID: 11147294, 12706851), indicating ongoing issues potentially requiring further management. The absence of ICD-9 codes prevents more precise categorization and linkage to epidemiological data.

4. Treatments

The patient received various treatments during their ICU stay. These treatments, some of which were active upon discharge, included:

* **Inotropic agents** (TreatmentID: 24700987) for cardiovascular shock. * **Milrinone** (TreatmentID: 23947274) for cardiovascular ventricular dysfunction. * **Mechanical ventilation** (TreatmentID: 24647592, 26226015, 27465112) for pulmonary ventilation and oxygenation. * **Transfusion of 1-2 units of packed red blood cells** (TreatmentID: 25091376, 26991977, 25748594) for cardiovascular intravenous fluid and blood product administration. The continued need for this treatment at discharge suggests ongoing anemia.

5. Vital Trends

NULL (Insufficient time-series data on vital signs provided.)

6. Lab Trends

The provided lab data includes various blood tests performed at different time points (indicated by 'labresultoffset' in minutes from unit admission). Multiple glucose measurements (bedside glucose) show fluctuating levels, ranging from 121 mg/dL to 222 mg/dL. Hematological parameters show some variability, for example, Hemoglobin (Hgb) levels between 7.7 g/dL and 11.7 g/dL, indicating potential fluctuations in oxygen-carrying capacity. Electrolyte levels (sodium, potassium, chloride, bicarbonate) also show some variability, although more context is needed to assess clinical significance. The

presence of multiple creatinine measurements is noteworthy, but without more context, a trend analysis is not possible. The data includes various complete blood count results, including MCV, MCH, MCHC, RBC, WBC, and platelets. Further analysis of these parameters, as well as the various other chemistry and blood gas values, would require a more detailed time series analysis.

7. Microbiology Tests

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

8. Physical Examination Results

A structured physical exam was performed (PhysicalExamID: 24349063). Vital signs recorded at the time of the initial exam included:

* **Heart Rate (HR):** 93 bpm * **Blood Pressure (BP):** 118/55 mmHg * **Respiratory Rate (Resp):** 19 breaths per minute * **Oxygen Saturation (O2 Sat):** 100% * **Central Venous Pressure (CVP):** 5 * **Pulmonary Artery Occlusion Pressure (PAOP):** 11 * **Systemic Vascular Resistance Index (SVR):** 1954 * **Cardiac Output (CO):** 6.1 L/min * **FiO2:** 80% * **PEEP:** 5 cm H2O * **Vent Rate:** 12 breaths per minute * **Weight:** 85 kg * **Glasgow Coma Scale (GCS):** 15 (Eyes: 4, Verbal: 5, Motor: 6)

The consistency of vital sign values suggests they were likely recorded at a single time point. Lack of longitudinal data limits the ability to track changes in the patient's condition over time.