Medical Report for Patient 006-100497

1. Patient Information

* **Patient Unit Stay ID:** 892619 * **Patient Health System Stay ID:** 666149 * **Gender:** Male * **Age:** 28 * **Ethnicity:** Caucasian * **Hospital ID:** 146 * **Ward ID:** 374 * **Unit Type:** Med-Surg ICU * **Unit Admit Time:** 02:21:00 (2014) * **Unit Admit Source:** Emergency Department * **Unit Discharge Time:** 22:20:00 (2014) * **Unit Discharge Location:** Step-Down Unit (SDU) * **Unit Discharge Status:** Alive * **Admission Height (cm):** 172 * **Admission Weight (kg):** 55 * **Hospital Admit Time:** 23:48:00 (2014) * **Hospital Admit Source:** Emergency Department * **Hospital Discharge Time:** 22:40:00 (2014) * **Hospital Discharge Location:** Home * **Hospital Discharge Status:** Alive * **Admission Diagnosis:** Diabetic ketoacidosis

2. History

NULL (Insufficient information provided in the JSON data to reconstruct a detailed patient history. The admission diagnosis of Diabetic Ketoacidosis (DKA) provides a starting point, but further information regarding symptoms, prior medical conditions, family history, social history, and medication history is needed to provide a comprehensive history.)

3. Diagnoses

* **Diagnosis ID:** 11278516 * **Patient Unit Stay ID:** 892619 * **Active Upon Discharge:** True * **Diagnosis Offset (minutes):** 159 * **Diagnosis String:** endocrine|glucose metabolism|DKA * **ICD-9 Code:** 250.13, E10.1 * **Diagnosis Priority:** Primary

4. Treatments

NULL (No treatment information is included in the provided JSON data. This section would typically detail medications administered, procedures performed, and other interventions during the ICU stay.)

5. Vital Trends

NULL (No vital sign data is available in the provided JSON. This section would typically include time series data for heart rate, blood pressure, respiratory rate, temperature, and oxygen saturation.)

6. Lab Trends

The provided lab data includes multiple measurements taken at various times during the ICU stay. Key lab values include:

* **Hemoglobin (Hgb):** Initial value was 18.2 g/dL. (More data points needed for trend analysis) * **Hematocrit (Hct):** Initial value was 52.4%. (More data points needed for trend analysis) * **White Blood Cell Count (WBC):** Initial value was 6.9 K/mcL. (More data points needed for trend analysis) * **Mean Corpuscular Volume (MCV):** Initial value was 93 fL. (More data points needed for trend analysis) * **Mean Platelet Volume (MPV):** Initial value was 9.5 fL. (More data points needed for trend analysis) * **Red Blood Cell Count (RBC):** Initial value was 5.61 M/mcL. (More data points needed for trend analysis) * **Red Cell Distribution Width (RDW):** Initial value was 13.8%. (More data points needed for trend analysis) * **Anion Gap:** Values ranged from 7 to 19 mmol/L. (More data points needed for trend analysis, but shows fluctuation) * **Sodium (Na+):** Values ranged from 128 to 136 mmol/L, showing some fluctuation. * **Potassium (K+):** Values ranged from 3.6 to 4.8 mmol/L, indicating variation. * **Bicarbonate (HCO3-):** Values ranged from 13 to 21 mmol/L, indicating variation. * **Calcium (Ca2+):** Values ranged from 7.8 to 9.1 mg/dL, showing some fluctuation. * **Creatinine:** Values ranged from 0.7 to 1.1 mg/dL, showing some fluctuation. * **Blood Urea Nitrogen (BUN):** Values ranged from 13 to 20 mg/dL. (More data points needed for trend analysis) * **Total Protein:** Initial value was 8.2 g/dL. (More data points needed for trend analysis) * **Albumin:** Initial value was 4.1 g/dL. (More data points needed for trend analysis) * **Total Bilirubin:** Initial value was 0.8 mg/dL. (More data points needed for trend analysis) * **Alanine Aminotransferase (ALT):** Initial value was 41 U/L. (More data points needed for trend analysis) * **Aspartate

Aminotransferase (AST):** Initial value was 17 U/L. (More data points needed for trend analysis) * **Alkaline Phosphatase:** Initial value was 186 U/L. (More data points needed for trend analysis) * **Phosphate:** Initial values were 2.0 and 3.5 mg/dL. (More data points needed for trend analysis) * **Magnesium:** Values ranged from 1.4 to 2.5 mg/dL. (More data points needed for trend analysis) * **Bedside Glucose:** Values ranged from 79 to 364 mg/dL, showing significant fluctuation. This highlights the severity of the DKA. * **FiO2:** A single value of 21% is recorded. (More data points are needed for trend analysis) * **PaCO2:** A single value of 38 mm Hg is recorded. (More data points are needed for trend analysis) * **pH:** A single value of 7.29 is recorded. (More data points are needed for trend analysis) * **Base Excess:** A single value of -8.1 mEq/L is recorded. (More data points are needed for trend analysis) * **Differential blood counts:** Values recorded for lymphocytes, polymorphonuclear leukocytes, eosinophils, and basophils. More data points are needed for trend analysis.

7. Microbiology Tests

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

8. Physical Examination Results

A structured physical exam was performed. Recorded vital signs included:

* **Heart Rate (HR):** Current 93 bpm, lowest 83 bpm, highest 95 bpm. * **Blood Pressure (BP):** Systolic current 95 mmHg, lowest 92 mmHg, highest 95 mmHg; Diastolic current 59 mmHg, lowest 55 mmHg, highest 59 mmHg. * **Respiratory Rate:** Current 17 breaths/min, lowest 8 breaths/min, highest 17 breaths/min. * **Oxygen Saturation (O2 Sat):** Current 96%, lowest 96%, highest 99% * **Weight (kg):** Admission weight 55 kg. * **Glasgow Coma Scale (GCS):** Total score 15 (Eyes 4, Verbal 5, Motor 6), indicating normal neurological function.