

## **\*\*Patient Information\*\***

\* \*\*Patient Unit Stay ID:\*\* 837985 \* \*\*Unique Patient ID:\*\* 006-1016 \* \*\*Patient Health System Stay ID:\*\* 633333 \*  
\*\*Gender:\*\* Male \* \*\*Age:\*\* 43 \* \*\*Ethnicity:\*\* Caucasian \* \*\*Hospital ID:\*\* 146 \* \*\*Ward ID:\*\* 374 \* \*\*Admission  
Diagnosis:\*\* NULL \* \*\*Admission Height:\*\* 172 cm \* \*\*Hospital Admit Time:\*\* 2014-XX-XX 17:07:00 \* \*\*Hospital Admit  
Source:\*\* Other ICU \* \*\*Hospital Discharge Year:\*\* 2014 \* \*\*Hospital Discharge Time:\*\* 2014-XX-XX 23:00:00 \* \*\*Hospital  
Discharge Location:\*\* Home \* \*\*Hospital Discharge Status:\*\* Alive \* \*\*Unit Type:\*\* Med-Surg ICU \* \*\*Unit Admit Time:\*\*  
2014-XX-XX 21:26:00 \* \*\*Unit Admit Source:\*\* ICU to SDU \* \*\*Unit Visit Number:\*\* 2 \* \*\*Unit Stay Type:\*\* stepdown/other  
\* \*\*Admission Weight:\*\* 69 kg \* \*\*Discharge Weight:\*\* NULL \* \*\*Unit Discharge Time:\*\* 2014-XX-XX 04:23:00 \* \*\*Unit  
Discharge Location:\*\* Floor \* \*\*Unit Discharge Status:\*\* Alive

## **\*\*Medical History\*\***

Insufficient data provided to generate a detailed medical history. The provided JSON only contains lab results and some admission/discharge information. A comprehensive medical history would require additional information such as past medical conditions, surgeries, allergies, family history, social history, and medication history. This section requires further data input.

## **\*\*Diagnoses\*\***

Insufficient data provided to generate a list of diagnoses. The admission diagnosis field in the patient data is empty. Further information is needed to populate this section.

## **\*\*Treatments\*\***

Insufficient data provided to generate a detailed treatment plan. The JSON does not contain information on the treatments administered to the patient during their ICU stay. This section requires additional data.

## **\*\*Vital Trends\*\***

NULL. No vital sign data was provided in the JSON.

## **\*\*Lab Trends\*\***

The provided lab data shows multiple tests conducted over the patient's ICU stay. Several key lab values exhibit notable fluctuations:

\* \*\*Bedside Glucose:\*\* Shows significant variation, ranging from a low of 104 mg/dL to a high of 431 mg/dL. This suggests potential issues with glucose regulation, potentially indicating hyperglycemia or hypoglycemia at different points in the ICU stay. Further investigation is needed to determine the cause of these fluctuations and whether they were appropriately managed. \* \*\*Creatinine:\*\* Increased from 1.9 mg/dL to a high of 2.8 mg/dL during the hospital stay, suggesting potential kidney function impairment. The significance of this increase must be assessed in the context of the patient's hydration status, other medications, and overall clinical picture. This increase needs to be correlated with other clinical findings. \* \*\*Hemoglobin (Hgb) and Hematocrit (Hct):\*\* These values show a slight decrease from admission to later time points, indicating potential anemia. The degree of anemia and its possible causes (bleeding, hemolysis, etc.) require further evaluation. \* \*\*Platelets:\*\* Fluctuated between 338 K/mcL and 426 K/mcL, suggesting possible thrombocytopenia or thrombocytosis at different time points. This variability needs to be interpreted within the context of the patient's overall clinical condition and any potential bleeding or clotting disorders. \* \*\*PT and PTT:\*\* The prothrombin time (PT) and partial thromboplastin time (PTT) values show some variability, indicating possible clotting abnormalities. However, the INR values (1.0 to 1.2) suggest that the clotting time was within a relatively normal range. Further evaluation of these trends is crucial to assess the patient's coagulation status.

## **\*\*Microbiology Tests\*\***

NULL. No microbiology test data was provided in the JSON.

## **\*\*Physical Examination Results\*\***

NULL. No physical examination results were provided in the JSON.

## **\*\*Chart Descriptions\*\***

1. **\*\*Time Series Plot of Key Lab Values:\*\*** This plot would display the trends of key lab values (bedside glucose, creatinine, hemoglobin, hematocrit, platelets, PT, PTT, INR) over time (in minutes from unit admit time). Each lab value would be represented by a separate line, allowing for easy visual comparison of their fluctuations. This visualization will highlight the temporal relationships between different lab values and identify any potential correlations or patterns that may indicate underlying medical issues. This is informative because it allows for the identification of trends and patterns in the data that might not be immediately apparent from a table of values.

2. **\*\*Scatter Plot of Creatinine vs. BUN:\*\*** A scatter plot with creatinine levels on the x-axis and BUN levels on the y-axis would show the relationship between these two markers of renal function. This is informative because a strong correlation would suggest impaired kidney function, while a weak correlation might point towards other causes for the elevated values.

## **\*\*CSV Data\*\***

```
```csv TimeOffsetMinutes,BedsideGlucose(mg/dL),Creatinine(mg/dL),BUN(mg/dL),Hemoglobin(g/dL),Hematocrit(%),Platelets(K/mcL),PT(sec),PTT(sec),PT_INR(ratio) 858,152,2.3,40,NULL,NULL,NULL,13.9,NULL,1.1
194,281,NULL,NULL,NULL,NULL,NULL,NULL,NULL,728,152,NULL,NULL,NULL,NULL,NULL,NULL,1063,146,NULL,NULL,NULL,NULL,NULL,NULL,1317,210,NULL,NULL,NULL,NULL,NULL,NULL,1629,431,NULL,NULL,NULL,NULL,NULL,NULL,1841,386,NULL,NULL,NULL,NULL,NULL,NULL,2169,104,NULL,NULL,NULL,NULL,NULL,NULL,2305,NULL,1.9,38,7.5,23.7,338,14.6,NULL,1.2
2513,131,NULL,NULL,NULL,NULL,NULL,NULL,2754,222,NULL,NULL,NULL,NULL,NULL,NULL,2982,256,NULL,NULL,NULL,NULL,NULL,NULL,3324,352,NULL,NULL,NULL,NULL,NULL,NULL,3562,192,NULL,NULL,NULL,NULL,NULL,NULL,3759,NULL,2,42,7.1,22.4,NULL,13.2,NULL,1.0
3759,NULL,2,42,7.1,22.4,354,13.2,NULL,1.0 3759,NULL,2,42,7.1,22.4,354,13.2,NULL,1.0
3759,NULL,2,42,7.1,22.4,354,13.2,NULL,1.0 3799,NULL,2,42,NULL,NULL,NULL,NULL,NULL,3799,NULL,2,42,NULL,NULL,NULL,NULL,NULL,3799,NULL,2,42,NULL,NULL,NULL,NULL,NULL,3943,146,NULL,NULL,NULL,NULL,NULL,NULL,411,264,NULL,NULL,NULL,NULL,NULL,NULL,4198,174,NULL,NULL,NULL,NULL,NULL,NULL,4358,NULL,NULL,NULL,7.4,23.3,375,13.1,23.3,1.0
4358,NULL,NULL,NULL,7.4,23.3,375,13.1,23.3,1.0 4358,NULL,NULL,NULL,7.4,23.3,375,13.1,23.3,1.0
4358,NULL,NULL,NULL,7.4,23.3,375,13.1,23.3,1.0 4363,NULL,NULL,NULL,7.4,23.3,375,NULL,NULL,NULL
4371,NULL,NULL,NULL,NULL,NULL,NULL,13.1,NULL,NULL
4506,310,NULL,NULL,NULL,NULL,NULL,NULL,4642,NULL,NULL,NULL,NULL,NULL,NULL,45.1,NULL
4739,311,NULL,NULL,NULL,NULL,NULL,NULL,5028,148,NULL,NULL,NULL,NULL,NULL,NULL,5101,NULL,2.8,44,7.6,23.9,410,13.6,80.2,1.0 5101,NULL,2.8,44,7.6,23.9,410,13.6,80.2,1.0
5101,NULL,2.8,44,7.6,23.9,410,13.6,80.2,1.0 5101,NULL,2.8,44,7.6,23.9,410,13.6,80.2,1.0
5126,NULL,NULL,NULL,7.6,23.9,410,NULL,80.2,NULL 5134,NULL,2.8,44,NULL,NULL,NULL,NULL,5134,NULL,2.8,44,NULL,NULL,NULL,NULL,5134,NULL,2.8,44,NULL,NULL,NULL,NULL,5134,NULL,2.8,44,NULL,NULL,NULL,NULL,5136,NULL,NULL,NULL,NULL,NULL,NULL,80.2,NULL
5380,163,NULL,NULL,NULL,NULL,NULL,5519,NULL,NULL,NULL,NULL,NULL,62.4,NULL
5656,269,NULL,NULL,NULL,NULL,NULL,5935,195,NULL,NULL,NULL,NULL,6001,NULL,NULL,NULL,NULL,NULL,78.7,NULL
6185,196,NULL,NULL,NULL,NULL,6359,NULL,NULL,NULL,NULL,68.9,NULL
6439,164,NULL,NULL,NULL,NULL,6700,NULL,2.2,45,7.8,25.2,426,13.3,118.3,1.0
6700,NULL,2.2,45,7.8,25.2,426,13.3,118.3,1.0 6700,NULL,2.2,45,7.8,25.2,426,13.3,118.3,1.0
```

6700,NULL,2.2,45,7.8,25.2,426,13.3,118.3,1.0 6716,NULL,NULL,NULL,7.8,25.2,426,NULL,118.3,NULL  
6716,NULL,NULL,NULL,7.8,25.2,426,NULL,118.3,NULL 6716,NULL,NULL,NULL,7.8,25.2,426,NULL,118.3,NULL  
6719,NULL,NULL,NULL,NULL,NULL,NULL,13.3,NULL,1.0 6729,NULL,2.2,45,NULL,NULL,NULL,NULL,NULL,NULL  
6729,NULL,2.2,45,NULL,NULL,NULL,NULL,NULL,NULL 6729,NULL,2.2,45,NULL,NULL,NULL,NULL,NULL,NULL  
6817,114,NULL,NULL,NULL,NULL,NULL,NULL,NULL NULL 7080,216,NULL,NULL,NULL,NULL,NULL,NULL,NULL NULL  
7119,NULL,NULL,NULL,NULL,NULL,NULL,NULL,29.2,NULL 7157,NULL,NULL,1.7,NULL,NULL,NULL,NULL,NULL,NULL  
898,NULL,2.3,40,NULL,NULL,NULL,NULL,NULL,NULL 898,NULL,2.3,40,NULL,NULL,NULL,NULL,NULL,NULL  
898,NULL,2.3,40,NULL,NULL,NULL,NULL,NULL,NULL 890,NULL,NULL,NULL,NULL,NULL,NULL,NULL,NULL,NULL

``}`