

****Patient Information****

* **Unique Patient ID:** 006-100819 * **Patient Unit Stay ID:** 717630 * **Patient Health System Stay ID:** 560973 *
Gender: Male * **Age:** 60 * **Ethnicity:** Caucasian * **Hospital ID:** 167 * **Ward ID:** 408 * **Unit Type:** CSICU *
Unit Admit Time: 2015-XX-XX 21:40:00 * **Unit Admit Source:** ICU * **Unit Discharge Time:** 2015-XX-XX 00:26:00
* **Unit Discharge Location:** Acute Care/Floor * **Unit Discharge Status:** Alive * **Admission Height (cm):** 187.9 *
Admission Weight (kg): 87.1 * **Discharge Weight (kg):** 99.1

****Medical History****

NULL (Insufficient data provided)

****Diagnoses****

NULL (Insufficient data provided)

****Treatments****

NULL (Insufficient data provided)

****Vital Trends****

NULL (Insufficient data provided)

****Laboratory Trends****

The provided data includes multiple laboratory test results obtained at different time points during the patient's ICU stay. The tests include a comprehensive panel of chemistry, hematology, and drug level measurements. Specific noteworthy trends observed are:

* **Electrolytes:** Sodium levels show some fluctuation, ranging from 138 mmol/L to 139 mmol/L at different time points. Potassium levels also fluctuate, from 3.7 to 4.6 mmol/L, indicating potential electrolyte imbalances that require further investigation and monitoring. Chloride levels show a similar pattern of fluctuation, ranging from 104 to 107 mmol/L. These fluctuations warrant further assessment of the patient's hydration status and overall electrolyte balance. It is important to note that the reference ranges for these electrolytes are not provided, making definitive conclusions challenging. * **Renal Function:** Creatinine values are relatively stable, ranging from 0.93 to 1.03 mg/dL. BUN levels also fluctuate, from 7 to 15 mg/dL, suggesting some variation in renal function. Further evaluation is necessary to determine the clinical significance of these changes. * **Liver Function:** ALT (SGPT), AST (SGOT), and total bilirubin levels are elevated, indicating potential liver dysfunction. The specific values (ALT 56 IU/L, AST 47 IU/L, Total Bilirubin 0.3 mg/dL) suggest the possibility of hepatocellular injury. More information on the patient's history of liver disease or exposure to hepatotoxic substances is needed for a comprehensive assessment. * **Hematology:** Hemoglobin (Hgb) and hematocrit (Hct) fluctuate but remain within a reasonable range, suggesting no significant anemia or dehydration. However, the elevated RDW (13.1%-13.4%) indicates anisocytosis (variation in red blood cell size), which warrants further investigation. Platelets values show some fluctuation, from 218 to 298 K/mcL, which might be indicative of underlying conditions or treatment effects. More detailed evaluation is needed to assess its clinical significance. The MCV (97-99 fL) and MCH (32.7-33.7 pg) and MCHC (33.1-34.7 g/dL) values suggest normocytic, normochromic anemia. * **Drug Levels:** Vancomycin trough levels were monitored at 16.8 and 19.6 mcg/mL. This data needs to be cross-referenced with the prescribed dosage and therapeutic range to determine if the levels are within the desired range. * **Anion Gap:** Anion gap levels show some variation (6-8 mEq/L). The normal range is not provided, so it is difficult to determine the clinical significance of this fluctuation. * **Albumin:** Albumin levels of 2.6 g/dL indicate hypoalbuminemia, suggesting possible malnutrition, liver disease, or kidney disease. This warrants further investigation. * **Calcium:** Calcium levels show some fluctuation (8.0-8.8 mg/dL), which may indicate underlying medical problems such as parathyroid problems or vitamin D deficiency. It is important to note that the reference ranges for these values are not provided. * **Glucose:** Glucose levels vary from 80 mg/dL to 101 mg/dL. The reference range is not provided, but the levels appear to be within the normal range for most individuals. However, given

the liver function test results, further investigation is warranted.

****Microbiology Tests****

NULL (Insufficient data provided)

****Physical Examination Results****

NULL (Insufficient data provided)