

****Medical Report for Patient 002-10157****

****1. Patient Information:****

* **Patient Unit Stay ID:** 172015 * **Patient Health System Stay ID:** 152760 * **Unique Patient ID:** 002-10157 *
Gender: Female * **Age:** 48 years * **Ethnicity:** Caucasian * **Hospital ID:** 73 * **Ward ID:** 93 * **Unit Type:**
Med-Surg ICU * **Unit Admit Source:** Emergency Department * **Unit Admit Time:** 23:52:00 * **Unit Discharge Time:**
20:10:00 * **Unit Discharge Location:** Floor * **Unit Discharge Status:** Alive * **Hospital Admit Time:** 03:36:00
(Hospital admit offset: -2656 minutes from unit admit) * **Hospital Discharge Time:** 17:00:00 (Hospital discharge offset:
37028 minutes from unit admit) * **Hospital Discharge Location:** Skilled Nursing Facility * **Hospital Discharge Status:**
Alive * **Admission Weight:** 86.4 kg * **Discharge Weight:** 74.6 kg * **Admission Height:** 177.8 cm * **Admission
Diagnosis:** Alcohol withdrawal

****2. History:****

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

****3. Diagnoses:****

The patient presented with multiple diagnoses during her ICU stay. The diagnoses, listed in order of priority, were:

* **Primary:** surgery|orthopedic surgery|s/p hip surgery|replacement (ICD-9 code not available) * **Major:**
neurologic|altered mental status / pain|pain|severe (ICD-9 code not available) * **Major:** neurologic|altered mental status
/ pain|anxiety (ICD-9 code: 300.00, F41.9) * **Major:** neurologic|altered mental status / pain|agitation (ICD-9 code: 308.2,
F43.0) * **Major:** neurologic|altered mental status / pain|drug withdrawal syndrome|alcohol (ICD-9 code: 291.81,
F10.239) * **Major:** neurologic|altered mental status / pain|encephalopathy|hepatic (ICD-9 code: 572.2) * **Other:**
hematology|coagulation disorders|coagulopathy (ICD-9 code: 286.9, D68.9) * **Other:** hematology|bleeding and red
blood cell disorders|anemia (ICD-9 code not available) * **Other:** hematology|platelet disorders|thrombocytopenia (ICD-9
code: 287.5, D69.6) * **Other:** gastrointestinal|hepatic disease|toxic hepatitis|alcohol related (ICD-9 code: 571.1, K70.1)

Note that several diagnoses of agitation and severe pain were recorded at different time points during the stay. Some ICD-9 codes are missing, which limits the completeness of this section. The presence of multiple diagnoses suggests a complex clinical picture. The primary diagnosis indicates a recent orthopedic procedure, potentially contributing to the patient's overall condition.

****4. Treatments:****

NULL (Insufficient information provided in the JSON data to generate a detailed list of treatments.)

****5. Vital Trends:****

The physical examination recorded the following vital signs:

* **Heart Rate (HR):** Current: 96 bpm, Lowest: 94 bpm, Highest: 96 bpm * **Blood Pressure (BP):** Systolic Current: 117
mmHg, Systolic Lowest: 103 mmHg, Systolic Highest: 139 mmHg; Diastolic Current: 78 mmHg, Diastolic Lowest: 74
mmHg, Diastolic Highest: 86 mmHg * **Respiratory Rate (Resp):** Current: 27 breaths/min, Lowest: 27 breaths/min,
Highest: 37 breaths/min * **Oxygen Saturation (O2 Sat):** Current: 94%, Lowest: 94%, Highest: 94% * **Weight:**
Current: 86.5 kg * **I&O:** Intake Total: 457 ml, Output Total: 0 ml, Dialysis Net: 0 ml, Total Net: +457 ml

****6. Lab Trends:****

The provided lab data includes multiple blood tests performed at various times during the patient's stay. Detailed trends require a time series analysis, which will be presented in the visualization section. Key lab values include:

* **Glucose (mg/dL):** Values ranged from 93 to 137 mg/dL across several time points. * **Calcium (mg/dL):** Values ranged from 7.6 to 9 mg/dL across several time points. * **Total Protein (g/dL):** Values ranged from 7.1 to 8.5 g/dL across several time points. * **Albumin (g/dL):** Values ranged from 1.6 to 1.9 g/dL across several time points. * **ALT (SGPT) (Units/L):** Values ranged from 9 to 161 Units/L across several time points. * **AST (SGOT) (Units/L):** Values ranged from 34 to 161 Units/L across several time points. * **BUN (mg/dL):** Values ranged from 2 to 7 mg/dL across several time points. * **Creatinine (mg/dL):** Values ranged from 0.79 to 1.54 mg/dL across several time points. * **Total Bilirubin (mg/dL):** Values ranged from 1.4 to 2.9 mg/dL across several time points. * **Platelets (K/mcL):** Values ranged from 45 to 448 K/mcL across several time points. * **Hemoglobin (g/dL):** Values ranged from 9.2 to 11.6 g/dL across several time points. * **Hematocrit (%):** Values ranged from 27.6 to 33.7 % * **Magnesium (mg/dL):** Values ranged from 1.1 to 1.8 mg/dL across several time points. * **Potassium (mmol/L):** Values ranged from 3.2 to 4.6 mmol/L across several time points. * **Sodium (mmol/L):** Values ranged from 134 to 156 mmol/L across several time points. * **Chloride (mmol/L):** Values ranged from 103 to 120 mmol/L across several time points. * **Bicarbonate (mmol/L):** Values ranged from 19 to 26 mmol/L across several time points. * **Anion Gap (mmol/L):** Values ranged from 10 to 17 mmol/L across several time points. * **PT (sec):** Values ranged from 14.5 to 23.5 sec across several time points. * **PT-INR (ratio):** Values ranged from 1.5 to 2.3 across several time points. * **PTT (sec):** Value: 30 sec (single measurement) * **ESR (mm/hr):** Value: 67 mm/hr (single measurement) * **BNP (pg/mL):** Values ranged from 91 to 539 pg/mL * **Ammonia (mcg/dL):** Values ranged from 1.2 to 5.8 mcg/dL * **Urinary Specific Gravity:** Values ranged from 1.020 to >1.030 * **Lactate (mmol/L):** Value: 0.7 mmol/L (single measurement) * **Complete Blood Count (CBC) with Differential:** Shows variations in WBC, RBC, Hct, Hgb, MCV, MCH, MCHC, RDW, platelets, lymphocytes, monocytes, eosinophils, and basophils over time. Specific trends are described in the visualization section. * **Blood Gas Analysis:** Partial pressure of carbon dioxide (PaCO2), partial pressure of oxygen (PaO2), bicarbonate (HCO3), pH, and base deficit.

7. Microbiology Tests:

NULL (No microbiology test data is provided in the JSON.)

8. Physical Examination Results:

A structured physical exam was performed. The Glasgow Coma Scale (GCS) was scored as follows: Eyes 4, Verbal 5, Motor 6. The heart rate ranged from 94 to 96 bpm, the systolic blood pressure ranged from 103 to 139 mmHg, and the diastolic blood pressure ranged from 74 to 86 mmHg. The respiratory rate ranged from 27 to 37 breaths per minute, and oxygen saturation was consistently 94%. The patient's weight was 86.5 kg. Fluid balance showed a net positive balance of 457 ml.