

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

Patient Unit Stay ID: 341782 Unique Patient ID: 004-10202 Gender: Male Age: 49 Ethnicity: Caucasian Hospital Admit Time: 2014-XX-XX 22:47:00 Hospital Discharge Time: 2014-XX-XX 19:29:00 Unit Type: CTICU Unit Admit Time: 2014-XX-XX 18:16:00 Unit Admit Source: Floor Unit Discharge Time: 2014-XX-XX 23:24:00 Unit Discharge Location: Floor Admission Height: 123 cm Admission Weight: 116.7 kg Discharge Weight: NULL

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

Insufficient data provided. NULL

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

The patient presented with multiple diagnoses during their ICU stay. Diagnoses were recorded at various times relative to unit admission time. The following diagnoses were documented:

\* **Primary:** s/p LVAD (post surgical left ventricular assist device) \* **Major:** Cardiogenic shock (785.51, R57.0), Ischemic dilated cardiomyopathy (425.8, I25.5), Acute respiratory distress (518.82), Known coronary artery disease (414.00, I25.10), Obstructive sleep apnea (780.57, G47.33), Hepatic dysfunction (573.9, K76.9), Ventricular tachycardia (427.1, I47.2), Congestive heart failure (428.0, I50.9), Acute renal failure (584.9, N17.9) \* **Other:** Chronic renal insufficiency (585.9, N18.9), Hyperlipidemia (272.4, E78.5)

Note that some diagnoses were active upon discharge (s/p LVAD, acute renal failure, cardiogenic shock, obstructive sleep apnea, hepatic dysfunction), indicating ongoing conditions requiring further management. The ICD-9 codes are provided where available. The diagnosis priority does not necessarily reflect the severity or order of diagnosis.

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

The patient received a wide range of treatments during their ICU stay. Treatments were initiated at various times relative to unit admission time. Some treatments were active at the time of discharge, while others were discontinued. The following treatments were documented:

\* **Active upon discharge:** Oxygen therapy (>60%), Arterial vascular catheter placement, Bolus parenteral analgesics, Oral analgesics, NG tube placement, Foley Catheter, Fluconazole, Cefuroxime, Vancomycin, Physical therapy consult, Dobutamine, Ondansetron, Rapid ventilator weaning, Cardiac Angiography, Endotracheal tube removal. \* **Not active upon discharge:** Oral analgesics, Nephrology consultation, Class III antiarrhythmic (Amiodarone), Dopamine (5-15 mcg/kg/min), CPAP/PEEP therapy, Cardiac consultation, Permanent pacemaker implantation.

The treatment path strings provide a hierarchical classification of the treatments administered. The 'active upon discharge' flag indicates treatments that were ongoing at the time of unit discharge and require continued monitoring and management.

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

Insufficient data provided. NULL

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

The patient underwent numerous laboratory tests during their ICU stay. The following notable lab results are available:

\* **Blood Gases (ABG):** Multiple ABG results show fluctuation in pH, PaO2, PaCO2, HCO3, and Base Deficit. Trends suggest periods of both respiratory acidosis and metabolic acidosis, reflecting the severity of the patient's cardiogenic

shock and respiratory distress. The oxygen saturation varied as well. \* **Complete Blood Count (CBC):** Hemoglobin (Hgb), Hematocrit (Hct), Mean Corpuscular Volume (MCV), Mean Corpuscular Hemoglobin Concentration (MCHC), Red blood cell count (RBC), White blood cell count (WBC), Platelets, Lymphocytes, Monocytes, Eosinophils, and Polymorphonuclear Leukocytes (Polys) were measured. These will be analyzed for trends below. \* **Chemistry:** Blood urea nitrogen (BUN), Creatinine, Glucose, Chloride, Calcium, Ionized Calcium, Total protein, Albumin, ALT (SGPT), AST (SGOT), Total cholesterol, HDL, LDL, Triglycerides, Uric acid, and CPK were measured. These will be analyzed for trends below. \* **Other:** BNP and CRP were measured.

More detailed analysis of these trends is provided in the summary tables and visualizations.

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

Insufficient data provided. NULL

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

The physical exam revealed the following, recorded at 55 minutes and 1507 minutes post unit admission:

\* **Initial (55 minutes):** Glasgow Coma Scale (GCS) scored, Heart rate (HR) 84 bpm, Blood pressure (BP) 104/63 mmHg, Respiratory rate (RR) 21 breaths per minute, Oxygen saturation (SpO2) 98%, Central venous pressure (CVP) 23 mmHg, Admission weight 116.7 kg, Urine output 1450 ml, Fluid intake 0 ml, Net fluid balance -1450 ml, Respiratory mode spontaneous, FiO2 32%. \* **Follow-up (1507 minutes):** GCS scored, HR 90 bpm, BP 72/68 mmHg, RR 24 breaths per minute, SpO2 99%, CVP 21 mmHg, Urine output 2250 ml, Fluid intake 0 ml, Net fluid balance -2250 ml, Respiratory mode ventilated, FiO2 100%, Systemic vascular resistance (SVR) 561 dynes s cm-5, PEEP 5 cm H2O, Vent rate 14 breaths per minute.

The physical exam measurements provide snapshots of the patient's condition at specific time points. Changes in vital signs, fluid balance, and respiratory support reflect the patient's clinical course. The follow up exam after 1507 minutes shows clear signs of deterioration.