Patient Information

Patient Unit Stay ID: 250719 Unique Patient ID: 003-10109 Gender: Male Age: 60 Ethnicity: Caucasian Hospital Admit Time: 23:56:00 Hospital Discharge Time: 21:35:00 Unit Admit Time: 00:44:00 Unit Discharge Time: 20:30:00 Admission Weight (kg): 63.51 Discharge Weight (kg): 64.4 Admission Height (cm): 172.72 Hospital Admit Source: Emergency Department Unit Admit Source: Emergency Department Hospital Discharge Location: Home Unit Discharge Location: Floor Hospital Discharge Status: Alive Unit Discharge Status: Alive Unit Type: Med-Surg ICU APACHE Admission Diagnosis: Sepsis, pulmonary

Medical History

NULL (Insufficient data provided)

Diagnoses

The patient presented with multiple diagnoses during their ICU stay. These were recorded at various times after unit admission. The diagnoses, ICD-9 codes, and priority are detailed below:

* **Diagnosis ID 4804221 (Primary):** cardiovascular|shock / hypotension|signs and symptoms of sepsis (SIRS) (ICD-9: 995.90) * **Diagnosis ID 4674107 (Major):** pulmonary|disorders of the airways|COPD|severe (ICD-9: 491.20, J44.9) * **Diagnosis ID 4423359 (Major):** pulmonary|respiratory failure|acute respiratory failure (ICD-9: 518.81, J96.00) * **Diagnosis ID 5104754 (Primary):** infectious diseases|systemic/other infections|sepsis (ICD-9: 038.9, A41.9) * **Diagnosis ID 4602133 (Other):** infectious diseases|chest/pulmonary infections|pneumonia (ICD-9: 486, J18.9) * **Diagnosis ID 4583708 (Major):** pulmonary|disorders of the airways|acute COPD exacerbation (ICD-9: 491.21, J44.1) * **Diagnosis ID 5293904 (Major):** pulmonary|respiratory failure|hypercarbia (ICD-9: 786.09, J96.92)

Other diagnoses listed as 'Other' or 'Major' included various combinations of respiratory failure (acute respiratory failure, hypercarbia), severe COPD, and septic shock. The temporal relationship between these diagnoses suggests a likely progression of the patient's condition.

Treatments

The patient received a range of treatments during their ICU stay. The treatments, categorized by system, are listed below along with their start times (in minutes from unit admission) and whether they were active upon discharge:

* **Infectious Diseases:** * Azithromycin (8428237, 859 min, False; 8126343, 3001 min, True), Cefepime (8833202, 859 min, False; 10366095, 3001 min, True), Vancomycin (8955344, 859 min, False; 8044890, 3001 min, True) * Blood cultures (8797487, 859 min, False; 10308216, 2387 min, False; 8715047, 3001 min, True) * **Pulmonary:** * Oxygen therapy (9591819, 859 min, False; 8310342, 179 min, False; 8917902, 3001 min, True), Endotracheal tube (8555389, 859 min, False; 9340316, 179 min, False), Endotracheal tube removal (8516838, 2387 min, False; 9147104, 3001 min, True), Chest x-ray (10295824, 2387 min, False; 9795607, 3001 min, True), Mechanical ventilation (10014008, 859 min, False; 9996011, 179 min, False) * Ventilator weaning (8662326, 859 min; 9140063, 179 min) * CPAP/PEEP therapy (8084771, 179 min, False; 8081604, 859 min, False) * Nasal cannula (9376026, 2387 min, False) * **Cardiovascular:** * Conventional heparin therapy (8413974, 3001 min, True; 9916638, 859 min, False; 9998766, 179 min, False), Low molecular weight heparin (8092352, 179 min, False; 9490452, 859 min, False; 8153051, 3001 min, True), Enoxaparin (9500240, 2387 min, False), Normal saline administration (9102273, 859 min, False; 9090381, 2387 min, False; 9468548, 3001 min, True) * **Neurologic:** * Propofol (8429794, 179 min, False; 9797457, 859 min, False; 10187936, 2387 min, False; 9984485, 3001 min, True) * Gastrointestinal: Pantoprazole (8750899, 859 min, False; 9537755, 2387 min, False; 10108594, 3001 min, True)

The timing and sequence of treatments reflect the evolving clinical picture.

Vital Trends

NULL (Insufficient data provided)

Lab Trends

The provided lab data shows multiple blood tests (complete blood count, basic metabolic panel, arterial blood gas) performed at different time points. Analysis requires a time-series view to understand trends. Some key lab values and their ranges observed during the ICU stay include:

* **Hemoglobin (Hgb):** Values ranged from 11.5 g/dL to 12.8 g/dL across multiple measurements. * **Hematocrit (Hct):** Values ranged from 34.8% to 39.4%. * **White blood cell count (WBC):** Values fluctuated between 11.2 K/mcL and 26 K/mcL. * **Platelets:** Values ranged from 185 K/mcL to 225 K/mcL. * **Blood pH:** Measured values ranged from 7.31 to 7.462, indicating fluctuations in acid-base balance. * **Partial pressure of carbon dioxide (PaCO2):** Values varied between 43.8 mm Hg and 60.7 mm Hg, showing changes in carbon dioxide levels. * **Partial pressure of oxygen (PaO2):** Values ranged from 66.6 mm Hg to 359.6 mm Hg. * **Bicarbonate (HCO3):** Levels varied from 28 mmol/L to 34.5 mmol/L. * **Base Excess:** Values ranged from 2.6 mEq/L to 9.4 mEq/L * **Lactate:** Values ranged from 1.7 mmol/L to 4.9 mmol/L reflecting changes in metabolic status. * **Creatinine:** Values generally remained stable between 0.47 mg/dL and 0.56 mg/dL. * **BUN:** Values ranged from 6 mg/dL to 19 mg/dL. * **Sodium:** Values fluctuated between 139 mmol/L and 141 mmol/L. * **Chloride:** Values ranged between 100 mmol/L and 104 mmol/L. * **Anion Gap:** Values ranged from 8 mmol/L to 12 mmol/L. * **PT and INR, PTT:** These coagulation parameters are recorded, but analysis requires time-series data for interpretation.

Microbiology Tests

Blood cultures were obtained (Treatment IDs: 8797487, 10308216, 8715047). Results are not available in the provided data.

Physical Examination Results

Physical exam data includes vital signs (heart rate, respiratory rate, blood pressure, oxygen saturation) at multiple time points. The initial physical exam (at 14 minutes post-admission) indicated the patient was intubated and sedated. Note that this section only provides the highest, lowest and current values for the vitals, without a time series.