Metabolic Acidosis Assessment Form

Patient Information:

Full Name: Bernard Owens Date of Birth: 02/15/1975

Medical Record Number (MRN): BO752135 Contact Number: (555) 123-4567

Address: 123 Elm Street, Springfield

Physician Information:

Full Name: Dr. Jessica Collins Specialty: _____

Contact Number: (555) 987-6543 Email Address: jcollins@medhospital.com

Clinical Assessment:

Presenting Complaints: (tick all that apply)

- [x] Rapid breathing
- [x] Fatigue
- [ ] Confusion
- [ ] Headache
- [ ] Lethargy
- [ ] Others: _____

History of Present Illness: (Duration, progression, associated symptoms)

Bernard has been feeling increasingly fatigued over the past 2 weeks, accompanied by episodes of rapid breathing. No associated chest pain or cough.

Medical History:

Known chronic diseases (e.g., diabetes, kidney disease): Type 2 Diabetes Mellitus

Medications currently being taken: Metformin, Lisinopril

Recent illnesses or infections: Urinary tract infection treated 3 weeks ago

Physical Examination:

Vital Signs:

- Blood Pressure: 145/90 mmHg
- Heart Rate: 95 bpm
- Respiratory Rate: 24 breaths/min
- Temperature: 98.6 °F °C or °F

Findings: (e.g., signs of dehydration, altered mental status)
Mild pedal edema noted bilaterally. Dry mucous membranes.

Laboratory Tests Conducted:

Arterial Blood Gas (ABG) Analysis:

- pH: 7.28
- $PaCO_2$ (Partial Pressure of Carbon Dioxide): 30 mmHg
- HCO_3^- (Bicarbonate): 18 mEq/L
- PaO_2 (Partial Pressure of Oxygen): 95 mmHg

Serum Electrolytes:

- Sodium: 138 mEq/L
- Potassium: 5.2 mEq/L
- Chloride: 104 mEq/L
- BUN (Blood Urea Nitrogen): 28 mg/dL
- Creatinine: 2.5 mg/dL

Other Relevant Tests: (e.g., lactate levels, urine analysis)
Lactate levels were within normal limits. Urine analysis showed proteinuria.

Interpretation and Recommendations:

- **Primary Diagnosis: (e.g., Lactic Acidosis, Ketoacidosis)**
  Metabolic Acidosis secondary to Chronic Kidney Disease (CKD)

- **Possible Secondary or Mixed Disorders:**
  Respiratory compensation noted from lowered PaCO levels.

- **Recommended Treatment Plan:**

  - Consultation with a nephrologist for CKD management.
  - Monitor blood pressure and adjust antihypertensive medication as needed.
  - Dietary counseling for renal diet.

- **Follow-up Recommendations:**

  - Return in one week for blood pressure check and repeat labs.
  - Monthly follow-up thereafter.

Physician's Signature: Dr. Jessica Collins Date: October 31, 2023