

KOS Diagnostic Lab

(A Unit of KOS Healthcare)



Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologist

Dr. Yugam Chopra MD (Pathology) CEO & Consultant Pathologist

NAME : Mrs. MITHLESH YADAV

AGE/ GENDER : 69 YRS/FEMALE **PATIENT ID** :1716559

COLLECTED BY :012501050039 REG. NO./LAB NO.

REFERRED BY **REGISTRATION DATE** : 05/Jan/2025 01:31 PM BARCODE NO. :01523485 **COLLECTION DATE** : 05/Jan/2025 01:31PM CLIENT CODE. : KOS DIAGNOSTIC LAB REPORTING DATE : 05/Jan/2025 01:37PM

CLIENT ADDRESS : 6349/1, NICHOLSON ROAD, AMBALA CANTT

Test Name Value Unit **Biological Reference interval**

CLINICAL CHEMISTRY/BIOCHEMISTRY **ELECTROLYTES COMPLETE PROFILE**

SODIUM: SERUM by ISE (ION SELECTIVE ELECTRODE) POTASSIUM: SERUM by ISE (ION SELECTIVE ELECTRODE) CHLORIDE: SERUM by ISE (ION SELECTIVE ELECTRODE)	129 ^L	mmol/L	135.0 - 150.0
	4.47	mmol/L	3.50 - 5.00
	96.75	mmol/L	90.0 - 110.0

INTERPRETATION:-

SODIUM:-

Sodium is the major cation of extra-cellular fluid. Its primary function in the body is to chemically maintain osmotic pressure & acid base balance & to transmit nerve impulse.

HYPONATREMIA (LOW SODIUM LEVEL) CAUSES:-

- 1. Low sodium intake.
- 2. Sodium loss due to diarrhea & vomiting with adequate water and iadequate salt replacement.
- 3. Diuretics abuses.
- 4. Salt loosing nephropathy.
- 5. Metabolic acidosis.
- 6. Adrenocortical issuficiency.
- 7. Hepatic failure.

HYPERNATREMIA (INCREASED SODIUM LEVEL) CAUSES:-

- 1. Hyperapnea (Prolonged)
- 2. Diabetes insipidus
- 3. Diabetic acidosis
- 4. Cushings syndrome
- 5.Dehydration

POTASSIUM:-

Potassium is the major cation in the intracellular fluid. 90% of potassium is concentrated within the cells. When cells are damaged, potassium is released in the blood.

HYPOKALEMIA (LOW POTASSIUM LEVELS):-

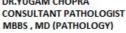
- 1. Diarrhoea, vomiting & malabsorption.
- 2. Severe Burns.
- 3.Increased Secretions of Aldosterone

HYPERKALEMIA (INCREASED POTASSIUM LEVELS):-

1.Oliguria



DR.VINAY CHOPRA CONSULTANT PATHOLOGIST MBBS, MD (PATHOLOGY & MICROBIOLOGY) DR.YUGAM CHOPRA





KOS Central Lab: 6349/1, Nicholson Road, Ambala Cantt -133 001, Haryana



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2.Renal failure or Shock

3. Respiratory acidosis

4.Hemolysis of blood

CLIENT CODE.

*** End Of Report ***



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