



|                                      | <b>Dr. Vinay Chopra</b><br>MD (Pathology & Microb<br>Chairman & Consultant P |                   |                          | Pathology) |                                |
|--------------------------------------|--|-------------------|--------------------------|------------|--------------------------------|
| NAME                                 | : Mrs. POONAM SRIVASTAV  |                   |                          |            |                                |
| AGE/ GENDER                          | : 59 YRS/FEMALE  |                   | PATIENT ID               | : 1806716  |                                |
| COLLECTED BY                         | : SURJESH  |                   | REG. NO./LAB NO.         | :0125032   | 60019                          |
| <b>REFERRED BY</b>                   | :  |                   | <b>REGISTRATION DATE</b> | :26/Mar/20 | 025 09:16 AM                   |
| BARCODE NO.                          | : 01527779   |                   | COLLECTION DATE          |            | 025 09:34AM                    |
| CLIENT CODE.                         | : KOS DIAGNOSTIC LAB   |                   | REPORTING DATE           | :26/Mar/2  | 025 10:12AM                    |
| CLIENT ADDRESS                       | : 6349/1, NICHOLSON ROAD, AMBAL/   | A CANTT           |                          |            |                                |
| Test Name                            | V  | alue              | Unit                     | Bi         | ological Reference interval    |
|                                      | SWASTHV  | A WF              | LLNESS PANEL: 1          | 2          |                                |
|                                      |  |                   | OOD COUNT (CBC)          | .4         |                                |
| RED BLOOD CELI                       | LS (RBCS) COUNT AND INDICES  |                   |                          |            |                                |
| HAEMOGLOBIN (H                       |  | 12.6              | gm/dL                    | 1          | 2.0 - 16.0                     |
| by CALORIMETRIC                      |  | 1.25              |                          | 2          | 50 5.00                        |
| RED BLOOD CELL<br>by HYDRO DYNAMIC F | (RBC) COUNT<br>OCUSING, ELECTRICAL IMPEDENCE                                 | 4.35              | Millions/                | cmm 3      | .50 - 5.00                     |
| PACKED CELL VOI                      |  | 39.5              | %                        | 3          | 7.0 - 50.0                     |
|                                      | UTOMATED HEMATOLOGY ANALYZER<br>LAR VOLUME (MCV)                             | 91                | fL                       | 8          | 0.0 - 100.0                    |
| by CALCULATED BY A                   | UTOMATED HEMATOLOGY ANALYZER   |                   | iL                       |            |                                |
|                                      | LAR HAEMOGLOBIN (MCH)  | 29                | pg                       | 2          | 7.0 - 34.0                     |
| MEAN CORPUSCU                        | LAR HEMOGLOBIN CONC. (MCHC)  | 31.9 <sup>L</sup> | g/dL                     | 3          | 2.0 - 36.0                     |
| -                                    | UTOMATED HEMATOLOGY ANALYZER<br>BUTION WIDTH (RDW-CV)                        | 14                | %                        | 1          | 1.00 - 16.00                   |
|                                      | UTOMATED HEMATOLOGY ANALYZER   | 14                | 70                       | 1          | 1.00 - 10.00                   |
|                                      | BUTION WIDTH (RDW-SD)<br>UTOMATED HEMATOLOGY ANALYZER                        | 47.6              | fL                       | 3          | 5.0 - 56.0                     |
| MENTZERS INDEX                       |  | 20.92             | RATIO                    | E          | BETA THALASSEMIA TRAIT: <      |
| by CALCULATED                        |  |                   |                          |            | 3.0                            |
|                                      |  |                   |                          |            | RON DEFICIENCY ANEMIA:<br>13.0 |
| GREEN & KING IN                      | DEX  | 92.01             | RATIO                    |            | BETA THALASSEMIA TRAIT:        |
| by CALCULATED                        |  |                   |                          |            | = 65.0                         |
|                                      |  |                   |                          |            | RON DEFICIENCY ANEMIA: > 5.0   |
| WHITE BLOOD CI                       | ELLS (WBCS)  |                   |                          | -          |                                |
| TOTAL LEUCOCYT                       |  | 5280              | /cmm                     | 4          | 000 - 11000                    |
| ,                                    | ' BY SF CUBE & MICROSCOPY<br>BLOOD CELLS (nRBCS)                             | NIL               |                          | Ω          | .00 - 20.00                    |
| by AUTOMATED 6 PAR                   | RT HEMATOLOGY ANALYZER   |                   |                          |            |                                |
| NUCLEATED RED                        | BLOOD CELLS (nRBCS) %  | NIL               | %                        | <          | c 10 %                         |
|                                      |  |                   | Λ                        |            |                                |





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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





|                                   | Dr. Vinay Chop<br>MD (Pathology & M<br>Chairman & Consul | licrobiology)      | Dr. Yugam<br>MD (<br>CEO & Consultant | (Pathology)                          |
|-----------------------------------|--|--------------------|---------------------------------------|--------------------------------------|
| NAME                              | : Mrs. POONAM SRIVASTAV                                  |                    |                                       |                                      |
| AGE/ GENDER                       | : 59 YRS/FEMALE  | PATIE              | NT ID                                 | : 1806716                            |
| COLLECTED BY                      | : SURJESH  | REG. N             | 0./LAB NO.                            | : 012503260019                       |
| <b>REFERRED BY</b>                | :  | REGIST             | <b>FRATION DATE</b>                   | : 26/Mar/2025 09:16 AM               |
| BARCODE NO.                       | : 01527779   | COLLE              | CTION DATE                            | : 26/Mar/2025 09:34AM                |
| CLIENT CODE.                      | : KOS DIAGNOSTIC LAB                                     | REPOR              | RTING DATE                            | : 26/Mar/2025 10:12AM                |
| CLIENT ADDRESS                    | : 6349/1, NICHOLSON ROAD, AM                             | IBALA CANTT        |                                       |                                      |
| Tart Name                         |  | X7 - 1             | T I                                   | D:-1:1 D-f                           |
| Test Name                         |  | Value              | Unit                                  | <b>Biological Reference interval</b> |
| •                                 | AUTOMATED HEMATOLOGY ANALYZER<br>JEUCOCYTE COUNT (DLC)   |                    |                                       |                                      |
| NEUTROPHILS                       |  | 48 <sup>L</sup>    | %                                     | 50 - 70                              |
| LYMPHOCYTES                       | Y BY SF CUBE & MICROSCOPY                                | 43 <sup>H</sup>    | %                                     | 20 - 40                              |
| EOSINOPHILS                       | RY BY SF CUBE & MICROSCOPY                               | 3                  | %                                     | 1 - 6                                |
| by FLOW CYTOMETR<br>MONOCYTES     | RY BY SF CUBE & MICROSCOPY                               | 6                  | %                                     | 2 - 12                               |
|                                   | Y BY SF CUBE & MICROSCOPY                                | 0                  | 70                                    | 2 - 12                               |
| BASOPHILS                         | Y BY SF CUBE & MICROSCOPY                                | 0                  | %                                     | 0 - 1                                |
| •                                 | XOCYTES (WBC) COUNT                                      |                    |                                       |                                      |
| ABSOLUTE NEUT                     |  | 2534               | /cmm                                  | 2000 - 7500                          |
|                                   | RY BY SF CUBE & MICROSCOPY                               | 2270               | 100000                                | 800 4000                             |
| ABSOLUTE LYMP<br>by FLOW CYTOMETR | RY BY SF CUBE & MICROSCOPY                               | 2270               | /cmm                                  | 800 - 4900                           |
| ABSOLUTE EOSIN                    | NOPHIL COUNT<br>BY BY SF CUBE & MICROSCOPY               | 158                | /cmm                                  | 40 - 440                             |
| ABSOLUTE MONO                     |  | 317                | /cmm                                  | 80 - 880                             |
|                                   | OTHER PLATELET PREDICTI                                  | VE MARKERS.        |                                       |                                      |
| PLATELET COUN                     | T (PLT)  | 242000             | /cmm                                  | 150000 - 450000                      |
| PLATELETCRIT ()                   |  | 0.29               | %                                     | 0.10 - 0.36                          |
| MEAN PLATELET                     | . ,  | 12                 | fL                                    | 6.50 - 12.0                          |
| PLATELET LARG                     | FOCUSING, ELECTRICAL IMPEDENCE<br>E CELL COUNT (P-LCC)   | 96000 <sup>H</sup> | /cmm                                  | 30000 - 90000                        |
|                                   | FOCUSING, ELECTRICAL IMPEDENCE<br>E CELL RATIO (P-LCR)   | 39.9               | %                                     | 11.0 - 45.0                          |
| by HYDRO DYNAMIC                  | FOCUSING, ELECTRICAL IMPEDENCE                           |                    |                                       |                                      |
| by HYDRO DYNAMIC                  | IBUTION WIDTH (PDW)<br>FOCUSING, ELECTRICAL IMPEDENCE    | 16                 | %                                     | 15.0 - 17.0                          |
| NOTE: TEST CONDU                  | JCTED ON EDTA WHOLE BLOOD                                |                    |                                       |                                      |



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|                    | <b>Dr. Vinay Chopra</b><br>MD (Pathology & Microbiology)<br>Chairman & Consultant Pathologist |                   | Pathology)             |
|--------------------|---|-------------------|------------------------|
| NAME               | : Mrs. POONAM SRIVASTAV   |                   |                        |
| AGE/ GENDER        | : 59 YRS/FEMALE   | PATIENT ID        | : 1806716              |
| COLLECTED BY       | : SURJESH   | REG. NO./LAB NO.  | : 012503260019         |
| <b>REFERRED BY</b> | : <b>I</b>  | REGISTRATION DATE | : 26/Mar/2025 09:16 AM |
| BARCODE NO.        | : 01527779  | COLLECTION DATE   | : 26/Mar/2025 09:34AM  |
| CLIENT CODE.       | : KOS DIAGNOSTIC LAB  | REPORTING DATE    | : 26/Mar/2025 10:12AM  |
| CLIENT ADDRESS     | : 6349/1, NICHOLSON ROAD, AMBALA CANTT  |                   |                        |

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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



|   | <b>Dr. Vinay Chop</b><br>MD (Pathology & M<br>Chairman & Consul  | licrobiology)  |   | (Pathology)                                     |
|---|--|--|---|---|
| NAME  | : Mrs. POONAM SRIVASTAV  |  |   |   |
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| BARCODE NO.   | :01527779  |  | COLLECTION DATE   | : 26/Mar/2025 09:34AM                           |
| CLIENT CODE.  | : KOS DIAGNOSTIC LAB   |  | <b>REPORTING DATE</b>   | : 26/Mar/2025 10:54AM                           |
| CLIENT ADDRESS  | : 6349/1, NICHOLSON ROAD, AM   | /IBALA CANTI   | ſ   |   |
|   |  |  |   |   |
| Test Name   |  | Value  | Unit  | <b>Biological Reference interval</b>            |
|   | ERYTHRO  | CYTE SED   | IMENTATION RATE   | (ESR)   |
| by RED CELL AGGREG<br>INTERPRETATION:<br>1. ESR is a non-specifi-<br>immune disease, but of<br>2. An ESR can be affect<br>as C-reactive protein<br>3. This test may also b<br>systemic lupus erythe<br>CONDITION WITH LOV<br>A low ESR can be seer<br>(polycythaemia), signi<br>as sickle cells in sickle | does not tell the health practitione<br>ted by other conditions besides in<br>he used to monitor disease activity<br>matosus<br>/ ESR<br>o with conditions that inhibit the n  | er exactly when<br>flammation. F<br>and response<br>ormal sedime<br>nt (leucocytos | re the inflammation is in th<br>or this reason, the ESR is ty<br>e to therapy in both of the a<br>ntation of red blood cells, s | ion associated with infection, cancer and auto- |
| <ol> <li>2. Generally, ESR does</li> <li>3. CRP is not affected I</li> <li>4. If the ESR is elevate</li> <li>5. Women tend to have</li> <li>6. Drugs such as dextr</li> </ol>   | protein (C-RP) are both markers of<br>s not change as rapidly as does CRI<br>by as many other factors as is ESR,<br>d, it is typically a result of two typ<br>re a higher ESR, and menstruation<br>an, methyldopa, oral contraceptive<br>d quinine may decrease it | P, either at the<br>making it a be<br>les of proteins<br>and pregnancy             | e start of inflammation or a<br>etter marker of inflammation<br>, globulins or fibrinogen.<br>y can cause temporary eleva       | n.  |
|   |  |  |   |   |





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







| NAME                                | : Mrs. POONAM SRIVASTAV                   |                    |            |   |
|-------------------------------------|---|--------------------|------------|---|
| AGE/ GENDER                         | : 59 YRS/FEMALE                           | PATIEN             | T ID       | : 1806716   |
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| CLIENT CODE.                        | : KOS DIAGNOSTIC LAB                      | REPORT             | ING DATE   | : 26/Mar/2025 12:07PM   |
| CLIENT ADDRESS                      | : 6349/1, NICHOLSON ROAD                  | , AMBALA CANTT     |            |   |
| Test Name                           |   | Value              | Unit       | <b>Biological Reference interval</b>                                    |
|                                     | CLINIC                                    | AL CHEMISTRY/      | BIOCHEMIST | RY  |
|                                     |   | GLUCOSE FASTI      | NG (F)     |   |
|                                     |   |                    |            |   |
| GLUCOSE FASTIN<br>by GLUCOSE OXIDAS | G (F): PLASMA<br>e - peroxidase (god-pod) | 122.1 <sup>H</sup> | mg/dL      | NORMAL: < 100.0<br>PREDIABETIC: 100.0 - 125.0<br>DIABETIC: > 0R = 126.0 |





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KOS Diagnostic Lab (A Unit of KOS Healthcare)

|  |  | Chopra<br>v & Microbiology)<br>onsultant Pathologis |  | (Pathology)   |
|--|--|---|--|---|
| AGE/ GENDER: 59COLLECTED BY: SUREFERRED BY:BARCODE NO.: 01CLIENT CODE.: KO | rs. POONAM SRIVASTA<br>YRS/FEMALE<br>RJESH<br>527779<br>OS DIAGNOSTIC LAB<br>349/1, NICHOLSON ROAJ |   | PATIENT ID<br>REG. NO./LAB NO.<br>REGISTRATION DATE<br>COLLECTION DATE<br>REPORTING DATE | : 1806716<br><b>: 012503260019</b><br>: 26/Mar/2025 09:16 AM<br>: 26/Mar/2025 09:34AM<br>: 26/Mar/2025 12:25PM                          |
| Test Name  |  | Value   | Unit   | <b>Biological Reference interval</b>  |
|  |  | LIPID PRO   | OFILE : BASIC  |   |
| CHOLESTEROL TOTAL:<br>by CHOLESTEROL OXIDASE                               |  | 160.07  | mg/dL  | OPTIMAL: < 200.0<br>BORDERLINE HIGH: 200.0 -<br>239.0<br>HIGH CHOLESTEROL: > OR =<br>240.0  |
| TRIGLYCERIDES: SERU<br>by GLYCEROL PHOSPHATE                               |  | 115.79  | mg/dL  | OPTIMAL: < 150.0<br>BORDERLINE HIGH: 150.0 -<br>199.0<br>HIGH: 200.0 - 499.0<br>VERY HIGH: > OR = 500.0                                 |
| HDL CHOLESTEROL (D<br>by SELECTIVE INHIBITION                              | IRECT): SERUM  | 66.03   | mg/dL  | LOW HDL: < 30.0<br>BORDERLINE HIGH HDL: 30.0 -<br>60.0<br>HIGH HDL: > OR = 60.0   |
| LDL CHOLESTEROL: SE<br>by CALCULATED, SPECTRO                              |  | 70.88   | mg/dL  | OPTIMAL: < 100.0<br>ABOVE OPTIMAL: 100.0 - 129.0<br>BORDERLINE HIGH: 130.0 -<br>159.0<br>HIGH: 160.0 - 189.0<br>VERY HIGH: > OR = 190.0 |
| NON HDL CHOLESTERO   |  | 94.04   | mg/dL  | OPTIMAL: < 130.0<br>ABOVE OPTIMAL: 130.0 - 159.0<br>BORDERLINE HIGH: 160.0 -<br>189.0<br>HIGH: 190.0 - 219.0<br>VERY HIGH: > OR = 220.0 |
| VLDL CHOLESTEROL: S  |  | 23.16   | mg/dL  | 0.00 - 45.00  |
| TOTAL LIPIDS: SERUM<br>by CALCULATED, SPECTRO                              |  | 435.93  | mg/dL  | 350.00 - 700.00   |
| CHOLESTEROL/HDL RA   | ATIO: SERUM  | 2.42  | RATIO  | LOW RISK: 3.30 - 4.40<br>AVERAGE RISK: 4.50 - 7.0   |



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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





|  |                          | <b>hopra</b><br>& Microbiology)<br>onsultant Pathologist |                          | (Pathology)   |
|--|--------------------------|--|--------------------------|---|
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| CLIENT ADDRESS                         | : 6349/1, NICHOLSON ROAD | ), AMBALA CANTT  |                          |   |
| Test Name                              |                          | Value  | Unit                     | <b>Biological Reference interval</b>                                  |
|  |                          |  |                          | MODERATE RISK: 7.10 - 11.0<br>HIGH RISK: > 11.0                       |
| LDL/HDL RATIO: S<br>by CALCULATED, SPE |                          | 1.07   | RATIO                    | LOW RISK: 0.50 - 3.0<br>MODERATE RISK: 3.10 - 6.0<br>HIGH RISK: > 6.0 |
| TRIGLYCERIDES/H<br>by CALCULATED, SPE  | IDL RATIO: SERUM         | 1.75 <sup>L</sup>  | RATIO                    | 3.00 - 5.00   |

### INTERPRETATION:

1.Measurements in the same patient can show physiological& analytical variations. Three serial samples 1 week apart are recommended for Total Cholesterol, Triglycerides, HDL & LDL Cholesterol. 2. As per NLA-2014 guidelines, all adults above the age of 20 years should be screened for lipid status. Selective screening of children above the age of 2 years with a family history of premature cardiovascular disease or those with at least one parent with high total cholesterol is recommended.

 Cow HDL levels are associated with increased risk for Atherosclerotic Cardiovascular disease (ASCVD) due to insufficient HDL being available to participate in reverse cholesterol transport, the process by which cholesterol is eliminated from peripheral tissues.
 NLA-2014 identifies Non HDL Cholesterol (an indicator of all atherogeniclipoproteins such as LDL, VLDL, IDL, Lpa, Chylomicron remnants) along with LDL-cholesterol as co- primary target for cholesterol lowering therapy. Note that major risk factors can modify treatment goals for LDL & Non HDL

5. Additional testing for Apolipoprotein B, hsCRP,Lp(a) & LP-PLA2 should be considered among patients with moderate risk for ASCVD for risk refinement





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Dr. Yugam Chopra

MD (Pathology)

|   | Chairman & Consultar                       | nt Pathologist | CEO & Consultant F | Pathologist                          |
|---|--|----------------|--------------------|--------------------------------------|
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| CLIENT CODE.                              | : KOS DIAGNOSTIC LAB                       | H              | REPORTING DATE     | : 26/Mar/2025 12:08PM                |
| CLIENT ADDRESS                            | : 6349/1, NICHOLSON ROAD, AMB/             | ALA CANTT      |                    |                                      |
|   |  |                |                    |                                      |
| Test Name                                 |  | Value          | Unit               | <b>Biological Reference interval</b> |
|   |  |                |                    |                                      |
|   |  |                | TEST (COMPLETE)    |                                      |
| BILIRUBIN TOTAL:                          |  | 0.38           | mg/dL              | INFANT: 0.20 - 8.00                  |
| by DIAZOTIZATION, SP                      |  | 0.12           | . 17               | ADULT: 0.00 - 1.20                   |
|   | C (CONJUGATED): SERUM                      | 0.13           | mg/dL              | 0.00 - 0.40                          |
| BILIRUBIN INDIRE                          | CT (UNCONJUGATED): SERUM<br>CTROPHOTOMETRY | 0.25           | mg/dL              | 0.10 - 1.00                          |
| SGOT/AST: SERUM<br>by IFCC, WITHOUT PYF   |  | 18.38          | U/L                | 7.00 - 45.00                         |
| SGPT/ALT: SERUM<br>by IFCC, WITHOUT PYF   |  | 17.79          | U/L                | 0.00 - 49.00                         |
| AST/ALT RATIO: SI                         | ERUM                                       | 1.03           | RATIO              | 0.00 - 46.00                         |
| ALKALINE PHOSPH                           |  | 75             | U/L                | 40.0 - 150.0                         |
| GAMMA GLUTAM<br>by SZASZ, SPECTROP        | YL TRANSFERASE (GGT): SERUM<br>htometry    | 1 22           | U/L                | 0.00 - 55.0                          |
| TOTAL PROTEINS:<br>by BIURET, SPECTROF    |  | 6.6            | gm/dL              | 6.20 - 8.00                          |
| ALBUMIN: SERUM<br>by BROMOCRESOL GF       |  | 3.8            | gm/dL              | 3.50 - 5.50                          |
| GLOBULIN: SERUM<br>by CALCULATED, SPEC    | [  | 2.8            | gm/dL              | 2.30 - 3.50                          |
| A : G RATIO: SERUI<br>by CALCULATED, SPEC | Μ  | 1.36           | RATIO              | 1.00 - 2.00                          |

**INTERPRETATION** 

NOTE: To be correlated in individuals having SGOT and SGPT values higher than Normal Referance Range.

Dr. Vinay Chopra

MD (Pathology & Microbiology)

USE:- Differential diagnosis of diseases of hepatobiliary system and pancreas.

### INCREASED:

| DRUG HEPATOTOXICITY      | > 2                     |  |  |
|--------------------------|-------------------------|--|--|
| ALCOHOLIC HEPATITIS      | > 2 (Highly Suggestive) |  |  |
| CIRRHOSIS                | 1.4 - 2.0               |  |  |
| INTRAHEPATIC CHOLESTATIS | > 1.5                   |  |  |





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|                  | Dr. Vinay Chopr<br>MD (Pathology & Mice<br>Chairman & Consulta | robiology)              | Yugam Chopra<br>MD (Pathology)<br>Isultant Pathologist |                                      |
|------------------|--|-------------------------|--|--------------------------------------|
| NAME             | : Mrs. POONAM SRIVASTAV  |                         |  |                                      |
| AGE/ GENDER      | : 59 YRS/FEMALE  | PATIENT ID              | : 180671   | 6                                    |
| COLLECTED BY     | : SURJESH  | <b>REG. NO./LAB NO.</b> | : 01250  | 3260019                              |
| REFERRED BY      | :  | <b>REGISTRATION D</b>   | ATE : 26/Mar   | ·/2025 09:16 AM                      |
| BARCODE NO.      | : 01527779   | COLLECTION DAT          | E : 26/Mar   | ·/2025 09:34AM                       |
| CLIENT CODE.     | : KOS DIAGNOSTIC LAB   | <b>REPORTING DATI</b>   | : 26/Mar   | ·/2025 12:08PM                       |
| CLIENT ADDRESS   | : 6349/1, NICHOLSON ROAD, AMB                                  | ALA CANTT               |  |                                      |
| Test Name        |  | Value Un                | it   | <b>Biological Reference interval</b> |
| HEPATOCELLULAR C | ARCINOMA & CHRONIC HEPATITIS                                   | > 1.3 (Sligh            | ntly Increased)  |                                      |

1. Acute Hepatitis due to virus, drugs, toxins (with AST increased 3 to 10 times upper limit of normal)

2. Extra Hepatic cholestatis: 0.8 (normal or slightly decreased).

| NORMAL               | < 0.65    |
|----------------------|-----------|
| GOOD PROGNOSTIC SIGN | 0.3 - 0.6 |
| POOR PROGNOSTIC SIGN | 1.2 - 1.6 |

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

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

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Dr. Yugam Chopra

MD (Pathology)

|  | MD (Pathology & M<br>Chairman & Consu |              |                         | (Pathology)<br>Pathologist           |
|--|---------------------------------------|--------------|-------------------------|--------------------------------------|
| NAME :                                     | Mrs. POONAM SRIVASTAV                 |              |                         |                                      |
|  | 59 YRS/FEMALE                         |              | PATIENT ID              | : 1806716                            |
|  | SURJESH                               |              | <b>REG. NO./LAB NO.</b> | : 012503260019                       |
| REFERRED BY :                              |                                       |              | REGISTRATION DATE       | : 26/Mar/2025 09:16 AM               |
|  | 01527779                              |              | COLLECTION DATE         | : 26/Mar/2025 09:34AM                |
|  | KOS DIAGNOSTIC LAB                    |              | REPORTING DATE          | : 26/Mar/2025 12:25PM                |
|  | 6349/1, NICHOLSON ROAD, AM            | ADALA CANT   |                         | . 20/ Mai / 2023 12.23F M            |
| CLIENT ADDRESS :                           | 034971, NICHOLSON ROAD, AN            | VIDALA CAN I |                         |                                      |
| Test Name                                  |                                       | Value        | Unit                    | <b>Biological Reference interval</b> |
|  | KIDNE                                 | Y FUNCTI     | ON TEST (COMPLETI       | E)                                   |
| UREA: SERUM                                |                                       | 24.61        | mg/dL                   | 10.00 - 50.00                        |
|  | E DEHYDROGENASE (GLDH)                | 21.01        | ing/ dL                 | 10.00 50.00                          |
| CREATININE: SERUM                          |                                       | 0.68         | mg/dL                   | 0.40 - 1.20                          |
| by ENZYMATIC, SPECTR                       |                                       |              |                         |                                      |
| BLOOD UREA NITRO                           |                                       | 11.5         | mg/dL                   | 7.0 - 25.0                           |
|  | GEN (BUN)/CREATININE                  | 16.91        | RATIO                   | 10.0 - 20.0                          |
| RATIO: SERUM                               |                                       |              |                         |                                      |
| by CALCULATED, SPECT                       |                                       |              |                         |                                      |
| UREA/CREATININE F<br>by CALCULATED, SPECT  |                                       | 36.19        | RATIO                   |                                      |
| URIC ACID: SERUM                           | NOT HOTOMETRY                         | 5.3          | mg/dL                   | 2.50 - 6.80                          |
| by URICASE - OXIDASE F                     | PEROXIDASE                            | 010          | ing az                  | 2.00 0.00                            |
| CALCIUM: SERUM                             |                                       | 9.88         | mg/dL                   | 8.50 - 10.60                         |
| by ARSENAZO III, SPECT<br>PHOSPHOROUS: SER |                                       | 3.42         | mg/dL                   | 2.30 - 4.70                          |
|  | E, SPECTROPHOTOMETRY                  | 5.42         | iiig/uL                 | 2.30 - 4.70                          |
| ELECTROLYTES                               |                                       |              |                         |                                      |
| SODIUM: SERUM                              |                                       | 139.62       | mmol/L                  | 135.0 - 150.0                        |
| by ISE (ION SELECTIVE E                    |                                       |              |                         |                                      |
| POTASSIUM: SERUM                           |                                       | 4.52         | mmol/L                  | 3.50 - 5.00                          |
| by ISE (ION SELECTIVE E<br>CHLORIDE: SERUM | ELECTRODE)                            | 104.72       | mmol/L                  | 90.0 - 110.0                         |
| by ISE (ION SELECTIVE E                    | ELECTRODE)                            | 104.72       | IIIII0/L                | <i>y</i> 0.0 - 110.0                 |
| ESTIMATED GLOME                            | ERULAR FILTERATION RAT                | <u>'E</u>    |                         |                                      |
| ESTIMATED GLOME                            | RULAR FILTERATION RATE                | E 100.3      |                         |                                      |
| (eGFR): SERUM                              |                                       |              |                         |                                      |
| by CALCULATED                              |                                       |              |                         |                                      |
| INTERPRETATION:                            | n pre- and post renal azotemia.       |              |                         |                                      |

Dr. Vinay Chopra

MD (Pathology & Microbiolog

To differentiate between pre- and post renal azotemia. INCREASED RATIO (>20:1) WITH NORMAL CREATININE:

1. Prerenal azotemia (BUN rises without increase in creatinine) e.g. heart failure, salt depletion, dehydration, blood loss) due to decreased glomerular filtration rate.



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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT





|  |   | Dr. Vinay Chopra<br>MD (Pathology & Micro<br>Chairman & Consultant   |  | Dr. Yugam Chopra<br>MD (Pathology)<br>t CEO & Consultant Pathologist                                     |                                      |                        |
|--|---|--|--|--|--------------------------------------|------------------------|
| NAME   | : Mrs. POON   | AM SRIVASTAV   |  |  |                                      |                        |
| AGE/ GENDER  | : 59 YRS/FEM  | <b>IALE</b>  | PA   | TIENT ID   | : 1806716                            |                        |
| COLLECTED BY   | : SURJESH   |  | RI   | EG. NO./LAB NO.  | :012503260019                        |                        |
| EFERRED BY   |   |  |  | EGISTRATION DATE   | : 26/Mar/2025 09:1                   | I6 AM                  |
|  |   |  |  |  |                                      |                        |
| ARCODE NO.   | :01527779   |  |  | DLLECTION DATE   | : 26/Mar/2025 09:3                   |                        |
| LIENT CODE.  | : KOS DIAGN   |  |  | EPORTING DATE  | : 26/Mar/2025 12:2                   | 25PM                   |
| LIENT ADDRESS  | : 6349/1, NI  | CHOLSON ROAD, AMBA   | LA CANT'T  |  |                                      |                        |
| Fest Name  |   |  | Value  | Unit   | Biological                           | l Reference interval   |
| ourns, surgery, cache<br>7. Urine reabsorption<br>8. Reduced muscle m<br>9. Certain drugs (e.g.<br>NCREASED RATIO (>2<br>1. Postrenal azotemia<br>2. Prerenal azotemia   | exia, high fever<br>a (e.g. ureter co<br>hass (subnorma<br>tetracycline, g<br>20:1) WITH ELEV<br>a (BUN rises dis<br>superimposed   | lostomy)<br>l creatinine production)<br>lucocorticoids)<br><b>/ATED CREATININE LEVEL</b><br>proportionately more th<br>on renal disease.   | S:   |  | icosis, Cushing's syndrom<br>bathy). | ne, high protein diet, |
| burns, surgery, cache<br>7. Urine reabsorption<br>3. Reduced muscle m<br>9. Certain drugs (e.g.<br><b>INCREASED RATIO (&gt;</b><br>1. Postrenal azotemia<br><b>DECREASED RATIO (</b><br>1. Acute tubular necr<br>2. Low protein diet an<br>3. Severe liver diseas<br>4. Other causes of de<br>5. Repeated dialysis<br>5. Inherited hyperam<br>7. SIADH (syndrome of<br>8. Pregnancy.<br><b>DECREASED RATIO (</b><br>1. Phenacimide thera<br>2. Rhabdomyolysis (r<br>3. Muscular patients<br><b>INAPPROPIATE RATIO</b><br>1. Diabetic ketoacido<br>should produce an in         | exia, high fever<br>a (e.g. ureter co<br>hass (subnorma<br>tetracycline, g<br>20:1) WITH ELEV<br>a (BUN rises dis<br>superimposed<br>10:1) WITH DEC<br>rosis.<br>and starvation.<br>e.<br>creased urea s<br>(urea rather th<br>monemias (urea<br>finappropiate<br>10:1) WITH INC<br>apy (accelerate:<br>eleases muscle<br>who develop r<br>b:<br>osis (acetoaceta<br>acreased BUN/co  | lostomy)<br>l creatinine production)<br>lucocorticoids)<br><b>ATED CREATININE LEVEL</b><br>proportionately more th<br>on renal disease.<br><b>REASED BUN :</b><br>an creatinine diffuses ou<br>a is virtually absent in b<br>antidiuretic harmone) d<br><b>REASED CREATININE:</b><br>a conversion of creatine<br>e creatinine).<br>enal failure.<br>tte causes false increase<br>reatinine ratio).   | S:<br>han creatinine<br>ut of extracell<br>blood).<br>lue to tubular<br>to creatinine)<br>in creatinine            | ) (e.g. obstructive uro;<br>ular fluid).<br>secretion of urea.   |                                      |                        |
| urns, surgery, cache<br>. Urine reabsorptior<br>. Reduced muscle m<br>. Certain drugs (e.g.<br><b>VCREASED RATIO (&gt;</b><br>2<br>. Postrenal azotemia<br><b>DECREASED RATIO (</b><br>. Acute tubular necr<br>. Low protein diet al<br>. Severe liver diseas<br>. Other causes of de<br>. Repeated dialysis<br>. Inherited hyperam<br>. SIADH (syndrome of<br>. Pregnancy.<br><b>DECREASED RATIO (</b><br>. Phenacimide thera<br>. Rhabdomyolysis (r<br>. Muscular patients<br><b>VAPPROPIATE RATIO</b><br>. Diabetic ketoacido<br>hould produce an in<br>. Cephalosporin the | exia, high fever<br>a (e.g. ureter co<br>hass (subnorma<br>tetracycline, g<br>20:1) WITH ELEV<br>a (BUN rises dis<br>superimposed<br>10:1) WITH DEC<br>rosis.<br>Ind starvation.<br>e.<br>creased urea s<br>(urea rather th<br>monemias (urea<br>of inappropiate<br>10:1) WITH INC<br>apy (accelerates<br>eleases muscle<br>who develop r<br>b:<br>sis (acetoaceta<br>creased BUN/or<br>rapy (interferes                      | lostomy)<br>l creatinine production)<br>lucocorticoids)<br><b>ATED CREATININE LEVEL</b><br>proportionately more th<br>on renal disease.<br><b>REASED BUN :</b><br>ynthesis.<br>an creatinine diffuses ou<br>a is virtually absent in b<br>antidiuretic harmone) d<br><b>REASED CREATININE:</b><br>conversion of creatine<br>creatinine).<br>enal failure.<br>tte causes false increase<br>reatinine ratio).<br>with creatinine measure                         | S:<br>han creatinine<br>ut of extracell<br>blood).<br>lue to tubular<br>to creatinine)<br>in creatinine            | ) (e.g. obstructive uro;<br>ular fluid).<br>secretion of urea.   | bathy).                              |                        |
| urns, surgery, cache<br>. Urine reabsorptior<br>. Reduced muscle m<br>. Certain drugs (e.g.<br>VCREASED RATIO (>2<br>. Postrenal azotemia<br>Prerenal azotemia<br>ECREASED RATIO (<<br>. Acute tubular necr<br>. Low protein diet a<br>. Severe liver diseas<br>. Other causes of de<br>. Repeated dialysis<br>. Inherited hyperam<br>. SIADH (syndrome of<br>. Pregnancy.<br>ECREASED RATIO (<<br>. Phenacimide thera<br>. Rhabdomyolysis (r<br>. Muscular patients<br>VAPPROPIATE RATIC<br>. Diabetic ketoacido<br>hould produce an in<br>. Cephalosporin the                | exia, high fever<br>a (e.g. ureter co<br>hass (subnorma<br>tetracycline, g<br>20:1) WITH ELEV<br>a (BUN rises dis<br>superimposed<br>10:1) WITH DEC<br>tosis.<br>and starvation.<br>e.<br>creased urea s<br>(urea rather th<br>amonemias (urea<br>of inappropiate<br>10:1) WITH INC<br>apy (accelerates<br>eleases muscle<br>who develop r<br>c.<br>basis (acetoaceta<br>creased BUN/or<br>rapy (interferes<br>JLAR FILTERATI | lostomy)<br>l creatinine production)<br>lucocorticoids)<br><b>ATED CREATININE LEVEL</b><br>proportionately more th<br>on renal disease.<br><b>REASED BUN :</b><br>ynthesis.<br>an creatinine diffuses ou<br>a is virtually absent in b<br>antidiuretic harmone) d<br><b>REASED CREATININE:</b><br>conversion of creatine<br>creatinine).<br>enal failure.<br>tte causes false increase<br>reatinine ratio).<br>with creatinine measure                         | S:<br>han creatinine<br>ut of extracell<br>blood).<br>lue to tubular<br>to creatinine)<br>in creatinine<br>ement). | ) (e.g. obstructive urop<br>ular fluid).<br>secretion of urea.   | bathy).                              |                        |
| Curine reabsorption<br>Reduced muscle m<br>Certain drugs (e.g.<br>NCREASED RATIO (>2<br>Postrenal azotemia<br>DECREASED RATIO (>2<br>Acute tubular necr<br>Composition diet an<br>Severe liver diseas<br>Other causes of de<br>Repeated dialysis<br>Inherited hyperam<br>SIADH (syndrome of<br>Pregnancy.<br>DECREASED RATIO (<<br>Phenacimide thera<br>Rhabdomyolysis (r<br>Muscular patients<br>NAPPROPIATE RATIO<br>Diabetic ketoacido<br>hould produce an in<br>Cephalosporin the<br>STIMATED GLOMER   | exia, high fever<br>a (e.g. ureter co<br>hass (subnorma<br>tetracycline, g<br>20:1) WITH ELEV<br>a (BUN rises dis<br>superimposed<br>10:1) WITH DEC<br>rosis.<br>and starvation.<br>e.<br>creased urea s<br>(urea rather th<br>amonemias (urea<br>finappropiate<br>10:1) WITH INC<br>apy (accelerate:<br>eleases muscle<br>who develop r<br>b<br>creased BUN/or<br>rapy (interferes<br>JLAR FILTERATI                         | lostomy)<br>l creatinine production)<br>lucocorticoids)<br><b>ATED CREATININE LEVEL</b><br>proportionately more th<br>on renal disease.<br><b>REASED BUN :</b><br>ynthesis.<br>an creatinine diffuses ou<br>a is virtually absent in b<br>antidiuretic harmone) of<br><b>REASED CREATININE:</b><br>s conversion of creatine<br>e creatinine).<br>enal failure.<br>tte causes false increase<br>reatinine ratio).<br>with creatinine measure<br><b>DN RATE:</b> | S:<br>han creatinine<br>ut of extracell<br>blood).<br>lue to tubular<br>to creatinine)<br>in creatinine<br>ement). | ) (e.g. obstructive urop<br>ular fluid).<br>secretion of urea.<br>with certain methodo<br>min/1.73m2 ) A | bathy).<br>logies,resulting in norma |                        |

| G2  | Kidney damage with       | >90    | Presence of Protein,     |
|-----|--------------------------|--------|--------------------------|
|     | normal or high GFR       |        | Albumin or cast in urine |
| G3a | Mild decrease in GFR     | 60 -89 |                          |
| G3b | Moderate decrease in GFR | 30-59  |                          |
| G4  | Severe decrease in GFR   | 15-29  |                          |
| G5  | Kidney failure           | <15    |                          |



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Page 11 of 16





|                    | Dr. Vinay Chopr<br>MD (Pathology & Micr<br>Chairman & Consultar | robiology) ME            | m Chopra<br>D (Pathology)<br>ht Pathologist |
|--------------------|---|--------------------------|---|
| NAME               | : Mrs. POONAM SRIVASTAV   |                          |   |
| AGE/ GENDER        | : 59 YRS/FEMALE   | PATIENT ID               | : 1806716                                   |
| COLLECTED BY       | : SURJESH   | <b>REG. NO./LAB NO.</b>  | : 012503260019                              |
| <b>REFERRED BY</b> | :   | <b>REGISTRATION DATE</b> | : 26/Mar/2025 09:16 AM                      |
| BARCODE NO.        | : 01527779  | COLLECTION DATE          | : 26/Mar/2025 09:34AM                       |
| CLIENT CODE.       | : KOS DIAGNOSTIC LAB  | <b>REPORTING DATE</b>    | : 26/Mar/2025 12:25PM                       |
| CLIENT ADDRESS     | : 6349/1, NICHOLSON ROAD, AMB                                   | ALA CANTT                |   |
|                    |   |                          |   |
| Test Name          |   | Value Unit               | <b>Biological Reference interval</b>        |

COMMENTS:

Estimated Glomerular filtration rate (eGFR) is the sum of filtration rates in all functioning nephrons and so an estimation of the GFR provides a measure of functioning nephrons of the kidney.
 eGFR calculated using the 2009 CKD-EPI creatinine equation and GFR category reported as per KDIGO guideline 2012
 In patients, with eGFR creatinine between 45-59 ml/min/1.73 m2 (G3) and without any marker of Kidney damage, It is recommended to measure of CFD with the commended to measure

3. In patients, with eGFR cleaning between 45-59 minimit 1.73 m2 (G3) and without any marker of Kidney damage, it is recommended to measure eGFR with Cystatin C for confirmation of CKD
4. eGFR category G1 OR G2 does not fulfill the criteria for CKD, in the absence of evidence of Kidney Damage
5. In a suspected case of Acute Kidney Injury (AKI), measurement of eGFR should be done after 48-96 hours of any Intervention or procedure
6. eGFR calculated by Serum Creatinine may be less accurate due to certain factors like Race, Muscle Mass, Diet, Certain Drugs. In such cases, eGFR should be calculated using Serum Cystatin C
7. A decrease in eGFR implies either progressive renal disease, or a reversible process causing decreased nephron function (eg, severe dehydration).

ADVICE:

KDIGO guideline, 2012 recommends Chronic Kidney Disease (CKD) should be classified based on cause, eGFR category and Albuminuria (ACR) category. GFR & ACR category combined together reflect risk of progression and helps Clinician to identify the individual who are progressing at more rapid rate than anticipated





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|  | Dr. Vinay Chopra<br>MD (Pathology & Microbiology)<br>Chairman & Consultant Pathologist |                |                                  | (Pathology)  |
|--|--|----------------|----------------------------------|--|
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| CLIENT CODE.                                       | : KOS DIAGNOSTIC LAB   |                | <b>REPORTING DATE</b>            | : 26/Mar/2025 12:08PM  |
| CLIENT ADDRESS<br>Test Name                        | : 6349/1, NICHOLSON ROAD, AMI  | Value          | Unit                             | Biological Reference interval  |
|  | THYR   |                | RINOLOGY<br>CTION TEST: TOTAL    |  |
| TRIIODOTHYRON<br>by CMIA (CHEMILUMIN               | INE (T3): SERUM<br>IESCENT MICROPARTICLE IMMUNOASSA'                                   | 0.985<br>Y)    | ng/mL                            | 0.35 - 1.93  |
| THYROXINE (T4):<br>by CMIA (CHEMILUMIN             | SERUM<br>IESCENT MICROPARTICLE IMMUNOASSA'   | 8.38<br>Y)     | µgm/dL                           | 4.87 - 12.60   |
|  | ATING HORMONE (TSH): SERU<br>IESCENT MICROPARTICLE IMMUNOASSA<br>RASENSITIVE           |                | µIU/mL                           | 0.35 - 5.50  |
| day has influence on the triiodothyronine (T3).Fai |  | imulates the p | roduction and secretion of the m | m. The variation is of the order of 50%.Hence time of the etabolically active hormones, thyroxine (T4)and er underproduction (hypothyroidism) or |

| CLINICAL CONDITION           | Т3                    | T4                    | TSH                             |
|------------------------------|-----------------------|-----------------------|---------------------------------|
| Primary Hypothyroidism:      | Reduced               | Reduced               | Increased (Significantly)       |
| Subclinical Hypothyroidism:  | Normal or Low Normal  | Normal or Low Normal  | High                            |
| Primary Hyperthyroidism:     | Increased             | Increased             | Reduced (at times undetectable) |
| Subclinical Hyperthyroidism: | Normal or High Normal | Normal or High Normal | Reduced                         |

### LIMITATIONS:-

1. T3 and T4 circulates in reversibly bound form with Thyroid binding globulins (TBG), and to a lesser extent albumin and Thyroid binding Pre Albumin so conditions in which TBG and protein levels alter such as pregnancy, excess estrogens, androgens, anabolic steroids and glucocorticoids may falsely affect the T3 and T4 levels and may cause false thyroid values for thyroid function tests.

2. Normal levels of T4 can also be seen in Hyperthyroid patients with :T3 Thyrotoxicosis, Decreased binding capacity due to hypoproteinemia or ingestion of certain drugs (e.g.: phenytoin , salicylates).

3. Serum T4 levels in neonates and infants are higher than values in the normal adult , due to the increased concentration of TBG in neonate serum.

4. TSH may be normal in central hypothyroidism, recent rapid correction of hyperthyroidism or hypothyroidism, pregnancy, phenytoin therapy.

| TRIIODOTH         | (RONINE (T3)                | THYROXINE (T4)    |                             | THYROID STIMULATING HORMONE (TS |                              |  |
|-------------------|-----------------------------|-------------------|-----------------------------|---------------------------------|------------------------------|--|
| Age               | Refferance<br>Range (ng/mL) | Age               | Refferance<br>Range (µg/dL) | Age                             | Reference Range<br>( μIU/mL) |  |
| 0 - 7 Days        | 0.20 - 2.65                 | 0 - 7 Days        | 5.90 - 18.58                | 0 - 7 Days                      | 2.43 - 24.3                  |  |
| 7 Days - 3 Months | 0.36 - 2.59                 | 7 Days - 3 Months | 6.39 - 17.66                | 7 Days - 3 Months               | 0.58 - 11.00                 |  |
| 3 - 6 Months      | 0.51 - 2.52                 | 3 - 6 Months      | 6.75 - 17.04                | 3 Days – 6 Months               | 0.70 - 8.40                  |  |





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

DR.YUGAM CHOPRA

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



TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT





| hcare)          | EXCELLENCE IN HEALTHCARE & DIAGNOSTICS                             |
|-----------------|--|
| ogy)<br>ologist | Dr. Yugam Chopra<br>MD (Pathology)<br>CEO & Consultant Pathologist |
|                 |  |

| NAME               | : Mrs. POONAM SRIVASTAV                |                          |                        |
|--------------------|--|--------------------------|------------------------|
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| CLIENT ADDRESS     | : 6349/1, NICHOLSON ROAD, AMBALA CANTT |                          |                        |

| Test Name           |               |                       | Value           | Unit                |             | <b>Biological Reference interval</b> |
|---------------------|---------------|-----------------------|-----------------|---------------------|-------------|--------------------------------------|
| 6 - 12 Months       | 0.74 - 2.40   | 6 - 12 Months         | 7.10 - 16.16    | 6 – 12 Months       | 0.70 - 7.00 |                                      |
| 1 - 10 Years        | 0.92 - 2.28   | 1 - 10 Years          | 6.00 - 13.80    | 1 – 10 Years        | 0.60 - 5.50 |                                      |
| 11- 19 Years        | 0.35 - 1.93   | 11 - 19 Years         | 4.87- 13.20     | 11 – 19 Years       | 0.50 - 5.50 |                                      |
| > 20 years (Adults) | 0.35 - 1.93   | > 20 Years (Adults)   | 4.87 - 12.60    | > 20 Years (Adults) | 0.35- 5.50  |                                      |
|                     | RECOM         | IMENDATIONS OF TSH LE | VELS DURING PRE | GNANCY ( µIU/mL)    | <u>.</u>    |                                      |
|                     | 1st Trimester |                       |                 | 0.10 - 2.50         |             |                                      |
|                     | 2nd Trimester |                       |                 | 0.20 - 3.00         |             |                                      |
|                     | 3rd Trimester |                       |                 | 0.30 - 4.10         |             |                                      |

### **INCREASED TSH LEVELS:**

1.Primary or untreated hypothyroidism may vary from 3 times to more than 100 times normal depending upon degree of hypofunction.

2.Hypothyroid patients receiving insufficient thyroid replacement therapy.

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3. Hashimotos thyroiditis

4.DRUGS: Amphetamines, iodine containing agents & dopamine antagonist.

5.Neonatal period, increase in 1st 2-3 days of life due to post-natal surge

DECREASED TSH LEVELS:

1.Toxic multi-nodular goiter & Thyroiditis.

2. Over replacement of thyroid hormone in treatment of hypothyroidism.

3. Autonomously functioning Thyroid adenoma

4.Secondary pituitary or hypothalamic hypothyroidism

5.Acute psychiatric illness

6.Severe dehydration.

7.DRUGS: Glucocorticoids, Dopamine, Levodopa, T4 replacement therapy, Anti-thyroid drugs for thyrotoxicosis.

8. Pregnancy: 1st and 2nd Trimester



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

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







: 59 YRS/FEMALE **PATIENT ID** : SURJESH REG. NO./LAB NO. **REGISTRATION DATE** :01527779 **COLLECTION DATE** : KOS DIAGNOSTIC LAB **REPORTING DATE CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Value Unit Test Name **CLINICAL PATHOLOGY** PHYSICAL EXAMINATION QUANTITY RECIEVED 10 ml by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY PALE YELLOW COLOUR by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY HAZY TRANSPARANCY by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY SPECIFIC GRAVITY 1.02 by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY **CHEMICAL EXAMINATION** REACTION ACIDIC by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY PROTEIN Negative by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY SUGAR Negative by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY pН 5.5 by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY BILIRUBIN

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MD (Pathology & Microbiology)

Chairman & Consultant Pathologist

5.0 - 7.5 Negative NEGATIVE (-ve) by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY NEGATIVE (-ve) Negative by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY. Normal EU/dL 0.2 - 1.0by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY NEGATIVE (-ve) Negative by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY Negative NEGATIVE (-ve) by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY NEGATIVE (-ve) NEGATIVE (-ve)

ASCORBIC ACID by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY

**MICROSCOPIC EXAMINATION** 



NITRITE

BLOOD

UROBILINOGEN

**KETONE BODIES** 

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NAME AGE/ GENDER **COLLECTED BY REFERRED BY BARCODE NO.** CLIENT CODE.

AMBALA CANTT

**FEST PERFORMED AT KOS DIAGNOSTIC LAB.** 

# : Mrs. POONAM SRIVASTAV

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

> :1806716 :012503260019 : 26/Mar/2025 09:16 AM : 26/Mar/2025 09:34AM

: 26/Mar/2025 10:54AM

**Biological Reference interval** 

PALE YELLOW

1.002 - 1.030

NEGATIVE (-ve)

NEGATIVE (-ve)

CLEAR

## **URINE ROUTINE & MICROSCOPIC EXAMINATION**





# 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. POONAM SRIVASTAV                  |                   |           |                                      |
|---------------------------------------|--|-------------------|-----------|--------------------------------------|
| AGE/ GENDER                           | : 59 YRS/FEMALE                          | PATIENT I         | D         | : 1806716                            |
| COLLECTED BY                          | : SURJESH                                | <b>REG. NO./1</b> | LAB NO.   | : 012503260019                       |
| <b>REFERRED BY</b>                    | :  | REGISTRA          | TION DATE | : 26/Mar/2025 09:16 AM               |
| BARCODE NO.                           | : 01527779                               | COLLECTI          | ON DATE   | : 26/Mar/2025 09:34AM                |
| CLIENT CODE.                          | : KOS DIAGNOSTIC LAB                     | REPORTIN          | IG DATE   | : 26/Mar/2025 10:54AM                |
| CLIENT ADDRESS                        | : 6349/1, NICHOLSON ROAD, AM             | ÍBALA CANTT       |           |                                      |
|                                       |  |                   |           | /                                    |
| Test Name                             |  | Value             | Unit      | <b>Biological Reference interval</b> |
| RED BLOOD CELL                        | S (RBCs)<br>CENTRIFUGED URINARY SEDIMENT | NEGATIVE (-ve)    | /HPF      | 0 - 3                                |
| PUS CELLS<br>by MICROSCOPY ON (       | CENTRIFUGED URINARY SEDIMENT             | 8-10              | /HPF      | 0 - 5                                |
| EPITHELIAL CELL<br>by MICROSCOPY ON ( | S<br>CENTRIFUGED URINARY SEDIMENT        | 4-5               | /HPF      | ABSENT                               |
| CRYSTALS<br>by MICROSCOPY ON C        | CENTRIFUGED URINARY SEDIMENT             | NEGATIVE (-ve)    |           | NEGATIVE (-ve)                       |
| CASTS<br>by MICROSCOPY ON (           | CENTRIFUGED URINARY SEDIMENT             | NEGATIVE (-ve)    |           | NEGATIVE (-ve)                       |
| BACTERIA<br>by MICROSCOPY ON (        | CENTRIFUGED URINARY SEDIMENT             | NEGATIVE (-ve)    |           | NEGATIVE (-ve)                       |
| OTHERS<br>by MICROSCOPY ON C          | CENTRIFUGED URINARY SEDIMENT             | NEGATIVE (-ve)    |           | NEGATIVE (-ve)                       |

TRICHOMONAS VAGINALIS (PROTOZOA) by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT

\*\*\* End Of Report \*\*\*

ABSENT





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

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ABSENT