



| | Dr. Vinay Chop MD (Pathology & Mic Chairman & Consulta | crobiology) | Dr. Yugam Ch MD (Path CEO & Consultant Path | nology) |
|--|---|-----------------------------|---|---|
| NAME | : Mr. GOURAV | | | |
| AGE/ GENDER | : 42 YRS/MALE | PATI | ENT ID : 1 | 1818651 |
| COLLECTED BY | : | REG. I | NO./LAB NO. : | 012504050001 |
| REFERRED BY | : | REGIS | TRATION DATE : (| 05/Apr/2025 06:45 AM |
| BARCODE NO. | : 01528366 | COLLI | ECTION DATE : (| 05/Apr/2025 06:49AM |
| CLIENT CODE. | : KOS DIAGNOSTIC LAB | REPO | RTING DATE : (| 05/Apr/2025 08:49AM |
| CLIENT ADDRESS | : 6349/1, NICHOLSON ROAD, AMI | BALA CANTT | | |
| Test Name | | Value | Unit | Biological Reference interval |
| | SWAST | HYA WELLN | ESS PANEL: 1.0 | |
| | COM | PLETE BLOOD | COUNT (CBC) | |
| RED BLOOD CEL | LS (RBCS) COUNT AND INDICH | <u>ES</u> | | |
| HAEMOGLOBIN (H | IB) | 14.6 | gm/dL | 12.0 - 17.0 |
| by CALORIMETRIC RED BLOOD CELL | (RBC) COUNT | 4.78 | Millions/cmn | n 3.50 - 5.00 |
| | FOCUSING, ELECTRICAL IMPEDENCE | 4.70 | Winnons, enn | 1 3.30 - 3.00 |
| PACKED CELL VO | | 46 | % | 40.0 - 54.0 |
| | AUTOMATED HEMATOLOGY ANALYZER LAR VOLUME (MCV) | 96.2 | fL | 80.0 - 100.0 |
| by CALCULATED BY A | UTOMATED HEMATOLOGY ANALYZER | | | |
| | LAR HAEMOGLOBIN (MCH) | 30.5 | pg | 27.0 - 34.0 |
| MEAN CORPUSCU | LAR HEMOGLOBIN CONC. (MCH AUTOMATED HEMATOLOGY ANALYZER | HC) 31.7^L | g/dL | 32.0 - 36.0 |
| | BUTION WIDTH (RDW-CV) | 13.4 | % | 11.00 - 16.00 |
| RED CELL DISTRI | AUTOMATED HEMATOLOGY ANALYZER BUTION WIDTH (RDW-SD) AUTOMATED HEMATOLOGY ANALYZER | 48.5 | fL | 35.0 - 56.0 |
| MENTZERS INDEX | | 20.13 | RATIO | BETA THALASSEMIA TRAIT: 13.0 |
| | | | | IRON DEFICIENCY ANEMIA: |
| | | | | >13.0 |
| GREEN & KING IN by CALCULATED | IDEX | 84.94 | RATIO | BETA THALASSEMIA TRAIT: |
| by CALCULATED | | | | <= 74.1 IRON DEFICIENCY ANEMIA: >= 74.1 |
| WHITE BLOOD C | ELLS (WBCS) | | | 2 / 11 1 |
| | | 6520 | /cmm | 4000 - 11000 |
| | Y BY SF CUBE & MICRUSCUPY | | | 0.00 - 20.00 |
| TOTAL LEUCOCY by flow cytometr NUCLEATED RED | BLOOD CELLS (nRBCS) RT HEMATOLOGY ANALYZER | NIL | | 0.00 - 20.00 |





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

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Page 1 of 14





| NAME: Mr. GOURAVAGE/ GENDER: 42 YRS/MALEPATIENT ID: 1818651COLLECTED BY:REG. NO./LAB NO.: 012504050001REFERRED BY:REGISTRATION DATE: 05/Apr/2025 06:45 AMBARCODE NO.: 01528366COLLECTION DATE: 05/Apr/2025 06:49AMCLIENT CODE.: KOS DIAGNOSTIC LABREPORTING DATE: 05/Apr/2025 08:49AMCLIENT ADDRESS: 6349/1, NICHOLSON ROAD, AMBALA CANTTImage: Content of the second se | | Dr. Vinay Chop MD (Pathology & M Chairman & Consul | | | | |
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| REFERRED BY:REGISTRATION DATE:: <td>AGE/ GENDER</td> <td>: 42 YRS/MALE</td> <td>PATIE</td> <td>NT ID</td> <td>: 1818651</td> <td></td> | AGE/ GENDER | : 42 YRS/MALE | PATIE | NT ID | : 1818651 | |
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| CLIENT ADDRESS : 6349/1, NICHOLSON ROAD, AMBALA CANTT | | | | | | |
| | | | | TING DATE | : 05/Apr/2025 08:49AM | |
| Test Name Value Unit Biological Reference interval | CLIENT ADDRESS | : 6349/1, NICHOLSON ROAD, AM | IBALA CANTT | | | |
| | Test Name | | Value | Unit | Biological Reference interval | |
| by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER DIFFERENTIAL LEUCOCYTE COUNT (DLC) | | | | | | |
| | | <u>deoerne courr (ble)</u> | 54 | 0/ | 50 70 | |
| NEUTROPHILS 54 % 50 - 70 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY 54 % 50 - 70 | | BY SE CUBE & MICROSCOPY | 54 | % | 50 - 70 | |
| LYMPHOCYTES 35 % 20 - 40 | - | | 35 | % | 20 - 40 | |
| by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY | | BY SF CUBE & MICROSCOPY | | | | |
| EOSINOPHILS 5 % 1-6 | | | 5 | % | 1 - 6 | |
| by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY | - | BY SF CUBE & MICROSCOPY | | 0/ | 2 12 | |
| MONOCYTES 6 % 2 - 12 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY | | BY SECUBE & MICROSCOPY | 6 | % | 2 - 12 | |
| BASOPHILS 0 % 0 - 1 | - | | 0 | % | 0 - 1 | |
| by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY | | BY SF CUBE & MICROSCOPY | 0 | ,,, | | |
| ABSOLUTE LEUKOCYTES (WBC) COUNT | ABSOLUTE LEUKC | OCYTES (WBC) COUNT | | | | |
| ABSOLUTE NEUTROPHIL COUNT 3521 /cmm 2000 - 7500 | ABSOLUTE NEUTR | OPHIL COUNT | 3521 | /cmm | 2000 - 7500 | |
| by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY | by FLOW CYTOMETRY | BY SF CUBE & MICROSCOPY | | | | |
| ABSOLUTE LYMPHOCYTE COUNT 2282 /cmm 800 - 4900 | | | 2282 | /cmm | 800 - 4900 | |
| by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY | - | | 226 | 1 | 40 440 | |
| ABSOLUTE EOSINOPHIL COUNT 326 /cmm 40 - 440 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY | | | 320 | /cmm | 40 - 440 | |
| ABSOLUTE MONOCYTE COUNT 391 /cmm 80 - 880 | - | | 391 | /cmm | 80 - 880 | |
| by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY | | | | , emm | | |
| ABSOLUTE BASOPHIL COUNT 0 /cmm 0 - 110 | ABSOLUTE BASOPI | HIL COUNT | 0 | /cmm | 0 - 110 | |
| by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY | - | | | | | |
| PLATELETS AND OTHER PLATELET PREDICTIVE MARKERS. | <u>PLATELETS AND C</u> | OTHER PLATELET PREDICTIV | <u>VE MARKERS.</u> | | | |
| PLATELET COUNT (PLT) 174000 /cmm 150000 - 450000 | | | 174000 | /cmm | 150000 - 450000 | |
| by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE | | | 0.2 | 0/ | 0.10 0.20 | |
| PLATELETCRIT (PCT) 0.2 % 0.10 - 0.36 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE | ``` | · · · · · · · · · · · · · · · · · · · | 0.2 | % | 0.10 - 0.36 | |
| MEAN PLATELET VOLUME (MPV) 11 fL 6.50 - 12.0 | - | | 11 | fL. | 6.50 - 12.0 | |
| by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE | | | | 12 | | |
| PLATELET LARGE CELL COUNT (P-LCC) 59000 /cmm 30000 - 90000 | PLATELET LARGE | CELL COUNT (P-LCC) | 59000 | /cmm | 30000 - 90000 | |
| by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE | | , · | | | | |
| PLATELET LARGE CELL RATIO (P-LCR) 34.2 % 11.0 - 45.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE % 11.0 - 45.0 | | | 34.2 | % | 11.0 - 45.0 | |
| PLATELET DISTRIBUTION WIDTH (PDW) 16.7 % 15.0 - 17.0 | | | 16.7 | % | 15.0 - 17.0 | |



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







| | Dr. Vinay Chopra MD (Pathology & Microbiolog Chairman & Consultant Patho | | (Pathology) |
|---------------------|---|--------------------------|--------------------------------------|
| NAME | : Mr. GOURAV | | |
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| Test Name | Value | e Unit | Biological Reference interval |

by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD



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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



| | | Dr. Vinay Cho MD (Pathology & N Chairman & Consu | Microbiology) | Dr. Yugar MI CEO & Consultar |) (Patholog | () |
|--|--|--|--|--|--|--------------------------------------|
| NAME | : Mr. GOURA | V | | | | |
| AGE/ GENDER | : 42 YRS/MAL | Æ | 1 | PATIENT ID | : 18186 | 351 |
| COLLECTED BY | : | | 1 | REG. NO./LAB NO. | :0125 | 04050001 |
| REFERRED BY | : | |] | REGISTRATION DATE | :05/Ap | or/2025 06:45 AM |
| BARCODE NO. | :01528366 | | | COLLECTION DATE | :05/Ap | or/2025 06:49AM |
| CLIENT CODE. | : KOS DIAGNO | OSTIC LAB |] | REPORTING DATE | :05/Ap | or/2025 09:39AM |
| CLIENT ADDRESS | : 6349/1, NIC | HOLSON ROAD, A | MBALA CANTT | | | |
| Test Name | | | Value | Unit | | Biological Reference interval |
| | | ERYTHRO | CYTE SEDIN | MENTATION RATI | E (ESR) | |
| ERYTHROCYTE S | EDIMENTATIO | | 12 | mm/1st | | 0 - 20 |
| by RED CELL AGGRE | | | , | | | |
| as C-reactive protein 3. This test may also systemic lupus erythh CONDITION WITH LO A low ESR can be see polycythaemia), sign as sickle cells in sickl NOTE: 1. ESR and C - reactive 3. CRP is not affected 4. If the ESR is elevat 5. Women tend to ha | be used to mon ematosus W ESR n with conditior ificantly high w e cell anaemia) e protein (C-RP) is not change as by as many oth ed, it is typically we a higher ESR, rran, methyldop | itor disease activity his that inhibit the r hite blood cell cou also lower the ESF are both markers rapidly as does CR er factors as is ESR a result of two typ and menstruation a, oral contracepti | y and response t normal sediment int (leucocytosis) R. of inflammation. RP, either at the s , making it a bett pes of proteins, g and pregnancy c | o therapy in both of the ation of red blood cells, , and some protein abn start of inflammation or a er marker of inflammatic Jobulins or fibrinogen. an cause temporary elev | above disea such as a hi ormalities. as it resolve on. rations. | Some changes in red cell shape (suc |
| | | | | | | |





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| LIENT CODE. : KOS DIAGNOSTIC LAB | | D | REPORTING DATE | : 05/Apr/2025 12:53PM | |
| CLIENT CODE. | : KOS DIAGNOSTIC LA | D . | REFORTING DATE | . 05/ Api/ 2025 12.55FM | |
| | | D ROAD, AMBALA CANTT | REFURING DATE | . 05/ Api/ 2023 12.55rM | |
| CLIENT CODE. CLIENT ADDRESS Test Name | | - | Unit | Biological Reference interval | |
| CLIENT ADDRESS | : 6349/1, NICHOLSON | ROAD, AMBALA CANTT Value | | Biological Reference interval | |
| CLIENT ADDRESS | : 6349/1, NICHOLSON | ROAD, AMBALA CANTT Value INICAL CHEMIS | Unit | Biological Reference interval | |

KOS Diagnostic Lab (A Unit of KOS Healthcare)

A fasting plasma glucose level between 100 - 125 mg/dl is considered as glucose intolerant or prediabetic. A fasting and post-prandial blood test (after consumption of 75 gms of glucose) is recommended for all such patients.
 A fasting plasma glucose level of above 125 mg/dl is highly suggestive of diabetic state. A repeat post-prandial is strongly recommended for all such patients. A fasting plasma glucose level in excess of 125 mg/dl on both occasions is confirmatory for diabetic state.



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| | | Chopra y & Microbiology) Consultant Pathologist | MD | n Chopra (Pathology) : Pathologist |
|--|---|---|--|---|
| AGE/ GENDER: 4COLLECTED BY:REFERRED BY:BARCODE NO.: 0CLIENT CODE.: 1 | Mr. GOURAV 42 YRS/MALE 01528366 KOS DIAGNOSTIC LAB 6349/1, NICHOLSON ROA | | PATIENT ID REG. NO./LAB NO. REGISTRATION DATE COLLECTION DATE REPORTING DATE | : 1818651 : 012504050001 : 05/Apr/2025 06:45 AM : 05/Apr/2025 06:49AM : 05/Apr/2025 01:16PM |
| Test Name | | Value | Unit | Biological Reference interval |
| | | LIPID PRO | FILE : BASIC | |
| CHOLESTEROL TOTAL by CHOLESTEROL OXIDAS | | 179.19 | mg/dL | OPTIMAL: < 200.0 BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR = 240.0 |
| TRIGLYCERIDES: SER by GLYCEROL PHOSPHAT | | 165.51 ^H | mg/dL | OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199.0 HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0 |
| HDL CHOLESTEROL (by SELECTIVE INHIBITION | DIRECT): SERUM | 48.93 | mg/dL | LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 60.0 HIGH HDL: > OR = 60.0 |
| LDL CHOLESTEROL: S by CALCULATED, SPECTR | | 97.16 | mg/dL | OPTIMAL: < 100.0 ABOVE OPTIMAL: 100.0 - 129.0 BORDERLINE HIGH: 130.0 - 159.0 HIGH: 160.0 - 189.0 VERY HIGH: > OR = 190.0 |
| NON HDL CHOLESTER by CALCULATED, SPECTR | | 130.26 ^H | mg/dL | OPTIMAL: < 130.0 ABOVE OPTIMAL: 130.0 - 159.0 BORDERLINE HIGH: 160.0 - 189.0 HIGH: 190.0 - 219.0 VERY HIGH: > OR = 220.0 |
| VLDL CHOLESTEROL: by CALCULATED, SPECTR | OPHOTOMETRY | 33.1 | mg/dL | 0.00 - 45.00 |
| TOTAL LIPIDS: SERUN by CALCULATED, SPECTR | | 523.89 | mg/dL | 350.00 - 700.00 |
| CHOLESTEROL/HDL R by CALCULATED, SPECTR | | 3.66 | RATIO | LOW RISK: 3.30 - 4.40 AVERAGE RISK: 4.50 - 7.0 |

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| CLIENT CODE. | : KOS DIAGNOSTIC LAB | RI | EPORTING DATE | : 05/Apr/2025 01:16PM |
| CLIENT ADDRESS | : 6349/1, NICHOLSON ROA | D, AMBALA CANTT | | |
| Test Name | | Value | Unit | Biological Reference interval |
| LDL/HDL RATIO: S | | 1.99 | RATIO | MODERATE RISK: 7.10 - 11.0 HIGH RISK: > 11.0 LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0 |
| TRIGLYCERIDES/H by CALCULATED, SPE | HDL RATIO: SERUM | 3.38 | 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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| AKOS |
|--|
| EXCELLENCE IN HEALTHCARE & DIAGNOSTICS |

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| Test Name | | Value | Unit | Biological Reference interval |
| | LIVER F | UNCTION T | EST (COMPLETE |) |
| BILIRUBIN TOTAL by DIAZOTIZATION, SF | : SERUM PECTROPHOTOMETRY | 0.53 | mg/dL | INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20 |
| | Γ (CONJUGATED): SERUM | 0.14 | mg/dL | 0.00 - 0.40 |
| | ECT (UNCONJUGATED): SERUM | 0.39 | mg/dL | 0.10 - 1.00 |
| SGOT/AST: SERUM by IFCC, WITHOUT PY | 1 RIDOXAL PHOSPHATE | 26.5 | U/L | 7.00 - 45.00 |
| SGPT/ALT: SERUM by IFCC, WITHOUT PY | [RIDOXAL PHOSPHATE | 66.1 ^H | U/L | 0.00 - 49.00 |
| AST/ALT RATIO: S by CALCULATED, SPE | | 0.4 | RATIO | 0.00 - 46.00 |
| ALKALINE PHOSPI by PARA NITROPHEN PROPANOL | HATASE: SERUM YL PHOSPHATASE BY AMINO METHYL | 100.42 | U/L | 40.0 - 130.0 |
| GAMMA GLUTAM by SZASZ, SPECTROF | YL TRANSFERASE (GGT): SERUN phtometry | ⁴ 170.8 ^H | U/L | 0.00 - 55.0 |
| TOTAL PROTEINS | | 7.09 | gm/dL | 6.20 - 8.00 |
| ALBUMIN: SERUM by BROMOCRESOL G | REEN | 3.88 | gm/dL | 3.50 - 5.50 |
| GLOBULIN: SERUN by CALCULATED, SPE | | 3.21 | gm/dL | 2.30 - 3.50 |
| A : G RATIO: SERU by CALCULATED, SPE | Μ | 1.21 | RATIO | 1.00 - 2.00 |

<u>INTERPRETATION</u> NOTE:- To be correlated in individuals having SGOT and SGPT values higher than Normal Referance Range. 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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| REFERRED BY | : | REG | ISTRATION DATE | :05/Apr/20 | 25 06:45 AM |
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| CLIENT CODE. | : KOS DIAGNOSTIC LAB | REP | ORTING DATE | :05/Apr/20 | 25 12:28PM |
| CLIENT ADDRESS | : 6349/1, NICHOLSON ROAD, AM | IBALA CANTT | | | |
| Test Name | | Value | Unit | Bio | ological Reference interval |
| HEPATOCELLULAR C | ARCINOMA & CHRONIC HEPATITIS | | > 1.3 (Slightly Inc | reased) | |

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 |

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| | Dr. Vinay Cho MD (Pathology & N Chairman & Consu | 1icrobiology) | Dr. Yugam MD (CEO & Consultant | (Pathology) |
|--|---|-------------------|---------------------------------------|------------------------------------|
| NAME | : Mr. GOURAV | | | |
| AGE/ GENDER | : 42 YRS/MALE | I | PATIENT ID | : 1818651 |
| COLLECTED BY | : | J | REG. NO./LAB NO. | : 012504050001 |
| REFERRED BY | : |] | REGISTRATION DATE | : 05/Apr/2025 06:45 AM |
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| CLIENT CODE. | : KOS DIAGNOSTIC LAB | 1 | REPORTING DATE | :05/Apr/2025 12:06PM |
| CLIENT ADDRESS | : 6349/1, NICHOLSON ROAD, AI | MBALA CANTT | | |
| Test Name | | Value | Unit | Biological Reference interv |
| | KIDNE | Y FUNCTION | N TEST (COMPLETH | E) |
| UREA: SERUM by UREASE - GLUTAM | ATE DEHYDROGENASE (GLDH) | 29.97 | mg/dL | 10.00 - 50.00 |
| CREATININE: SERU | | 1.03 | mg/dL | 0.40 - 1.40 |
| BLOOD UREA NITR by CALCULATED, SPEC | ROGEN (BUN): SERUM CTROPHOTOMETRY | 14 | mg/dL | 7.0 - 25.0 |
| BLOOD UREA NITE RATIO: SERUM by CALCULATED, SPEC | ROGEN (BUN)/CREATININE | 13.59 | RATIO | 10.0 - 20.0 |
| UREA/CREATININE | | 29.1 | RATIO | |
| URIC ACID: SERUM by URICASE - OXIDASE | | 3.44 ^L | mg/dL | 3.60 - 7.70 |
| CALCIUM: SERUM by ARSENAZO III, SPEC | CTROPHOTOMETRY | 9.02 | mg/dL | 8.50 - 10.60 |
| | RUM ATE, SPECTROPHOTOMETRY | 3.51 | mg/dL | 2.30 - 4.70 |
| ELECTROLYTES | | | | |
| SODIUM: SERUM by ISE (ION SELECTIVE | | 138.9 | mmol/L | 135.0 - 150.0 |
| POTASSIUM: SERU by ISE (ION SELECTIVE | E ELECTRODE) | 3.95 | mmol/L | 3.50 - 5.00 |
| CHLORIDE: SERUM by ISE (ION SELECTIVE | | 104.18 | mmol/L | 90.0 - 110.0 |
| ESTIMATED GLON | IERULAR FILTERATION RAT | <u>re</u> | | |
| ESTIMATED GLOM (eGFR): SERUM by CALCULATED | IERULAR FILTERATION RATE | E 93 | | |
| | een pre- and post renal azotemia. 0:1) 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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| | | y Chopra ogy & Microbiology) & Consultant Pathologist | Dr. Yugan MD CEO & Consultant | (Pathology) |
|--|--|--|-------------------------------------|---|
| NAME | : Mr. GOURAV | | | |
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| Test Name | | Value | Unit | Biological Reference interval |
| 1. Postrenal azotemi 2. Prerenal azotemia | nd starvation. | tely more than creatinine) (e ease. | e.g. obstructive uropa | athy). |
| 4. Other causes of de | ecreased urea synthesis. | | | |
| | (urea rather than creatinine | | ar fluid). | |
| | nmonemias (urea is virtually of inappropiate antidiuretic | | cretion of urea | |
| 8. Pregnancy. | or mappi opiate antiqui ette | Harmoney due to tubular se | | |
| DECREASED RATIO (< | 10:1) WITH INCREASED CREA | | | |
| | apy (accelerates conversion | | | |
| | releases muscle creatinine). | | | |
| 3. Muscular patients | who develop renal failure. | | | |
| | | se increase in creatinine w | ith certain methodolo | ogies,resulting in normal ratio when dehydratic |
| should produce an ir | ncreased BUN/creatinine rat | io). | | , , , , , , , , , , , , , , , , , , , |
| Cephalosporin the | rapy (interferes with creatin | ine measurement). | | |

ESTIMATED CLOMEDI II AD EII TEDATIONI DATE

| CKD STAGE | DESCRIPTION | GFR (mL/min/1.73m2) | ASSOCIATED FINDINGS |
|-----------|--|-----------------------|---|
| G1 | Normal kidney function | >90 | No proteinuria |
| G2 | Kidney damage with normal or high GFR | >90 | Presence of Protein , 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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| Test Name | | Value Unit | Biological Reference interval |

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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| CLIENT ADDRESS | : 6349/1, NICHOLSON ROAD, AMBALA CANT | Т | |
| Test Name | Value | Unit | Biological Reference interval |
| PHVSICAI FYAM | URINE ROUTINE & MI | L PATHOLOGY CROSCOPIC EXAMIN | NATION |

| PHYSICAL EXAMINATION | | | |
|---|----------------|-------|----------------|
| QUANTITY RECIEVED by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY | 10 | ml | |
| COLOUR by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY | AMBER YELLOW | | PALE YELLOW |
| TRANSPARANCY by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY | HAZY | | CLEAR |
| SPECIFIC GRAVITY by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY | 1.02 | | 1.002 - 1.030 |
| CHEMICAL EXAMINATION | | | |
| REACTION by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY | ACIDIC | | |
| PROTEIN by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY | Negative | | NEGATIVE (-ve) |
| SUGAR by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY | Negative | | NEGATIVE (-ve) |
| pH by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY | 6 | | 5.0 - 7.5 |
| BILIRUBIN by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY | Negative | | NEGATIVE (-ve) |
| NITRITE by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY. | Negative | | NEGATIVE (-ve) |
| UROBILINOGEN by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY | Normal | EU/dL | 0.2 - 1.0 |
| KETONE BODIES by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY | Negative | | NEGATIVE (-ve) |
| BLOOD by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY | NEGATIVE (-ve) | | NEGATIVE (-ve) |
| ASCORBIC ACID by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY | NEGATIVE (-ve) | | NEGATIVE (-ve) |

MICROSCOPIC EXAMINATION



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

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| CLIENT ADDRESS | : 6349/1, NICHOLSON ROAD, AN | IBALA CANTT | | |
| | : 6349/1, NICHOLSON ROAD, AN | /IBALA CANTT Value | Unit | Biological Reference interval |
| Test Name RED BLOOD CELL | | | Unit /HPF | Biological Reference interval 0 - 3 |
| Test Name RED BLOOD CELL by MICROSCOPY ON O PUS CELLS | S (RBCs) | Value | | 0 |
| PUS CELLS by MICROSCOPY ON C EPITHELIAL CELL | S (RBCs) CENTRIFUGED URINARY SEDIMENT CENTRIFUGED URINARY SEDIMENT | Value NEGATIVE (-ve) | /HPF | 0 - 3 |

by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT CASTS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT

BACTERIA by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT OTHERS

by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT TRICHOMONAS VAGINALIS (PROTOZOA)

by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT

*** End Of Report ***

ABSENT

NEGATIVE (-ve)

NEGATIVE (-ve)

NEGATIVE (-ve)





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NEGATIVE (-ve)

NEGATIVE (-ve)

NEGATIVE (-ve)

ABSENT