



| | Dr. Vinay Chopr MD (Pathology & Mic Chairman & Consulta | robiology) | | (Pathology) |
|--|---|-------------------|--------------------------|--|
| NAME | : Mrs. PRABHJOT KAUR | | | |
| AGE/ GENDER | : 58 YRS/FEMALE | | PATIENT ID | : 1644671 |
| COLLECTED BY | : | | REG. NO./LAB NO. | : 012410160003 |
| REFERRED BY | : | | REGISTRATION DATE | : 16/Oct/2024 07:14 AM |
| BARCODE NO. | : 01518961 | | COLLECTION DATE | : 16/Oct/2024 07:23AM |
| CLIENT CODE. CLIENT ADDRESS | : KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAD, AMB | ALA CANTT | REPORTING DATE | : 16/Oct/2024 09:05AM |
| Test Name | | Value | Unit | Biological Reference interval |
| | SWAS | τηλα Με | LLNESS PANEL: 1.0 | |
| | | | DOD COUNT (CBC) | |
| RED BLOOD CELLS (R | BCS) COUNT AND INDICES | | | |
| HAEMOGLOBIN (HB) | | 12.4 | gm/dL | 12.0 - 16.0 |
| RED BLOOD CELL (RB | C) COUNT DCUSING, ELECTRICAL IMPEDENCE | 4.59 | Millions/c | mm 3.50 - 5.00 |
| PACKED CELL VOLUM | E (PCV) | 40.2 | % | 37.0 - 50.0 |
| MEAN CORPUSCULAR | . , | 87.6 | fL | 80.0 - 100.0 |
| MEAN CORPUSCULAR | UTOMATED HEMATOLOGY ANALYZER R HAEMOGLOBIN (MCH) | 27.1 | pg | 27.0 - 34.0 |
| MEAN CORPUSCULAR | UTOMATED HEMATOLOGY ANALYZER R HEMOGLOBIN CONC. (MCHC) | 30.8 ^L | g/dL | 32.0 - 36.0 |
| RED CELL DISTRIBUTI | UTOMATED HEMATOLOGY ANALYZER ON WIDTH (RDW-CV) UTOMATED HEMATOLOGY ANALYZER | 13.6 | % | 11.00 - 16.00 |
| RED CELL DISTRIBUTI | ON WIDTH (RDW-SD) | 45.6 | fL | 35.0 - 56.0 |
| by CALCULATED BY AU MENTZERS INDEX by CALCULATED | JTOMATED HEMATOLOGY ANALYZER | 19.08 | RATIO | BETA THALASSEMIA TRAIT: < 13.0 IRON DEFICIENCY ANEMIA: >13.0 |
| GREEN & KING INDE | K | 26.04 | RATIO | BETA THALASSEMIA TRAIT:<= 65.0 IRON DEFICIENCY ANEMIA: > 65.0 |
| WHITE BLOOD CELLS | <u>(WBCS)</u> | | | |
| TOTAL LEUCOCYTE CO | DUNT (TLC) by sf cube & microscopy | 7800 | /cmm | 4000 - 11000 |
| NUCLEATED RED BLO | | NIL | | 0.00 - 20.00 |
| NUCLEATED RED BLO | OD CELLS (nRBCS) % JTOMATED HEMATOLOGY ANALYZER | NIL | % | < 10 % |
| NEUTROPHILS | BY SF CUBE & MICROSCOPY | 46 ^L | % | 50 - 70 |





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







Dr. Vinay Chopra Dr. Yugam Chopra MD (Pathology & Microbiology) MD (Pathology) Chairman & Consultant Pathologist **CEO & Consultant Pathologist** NAME : Mrs. PRABHJOT KAUR **AGE/ GENDER** : 58 YRS/FEMALE **PATIENT ID** :1644671 **COLLECTED BY** :012410160003 REG. NO./LAB NO. **REFERRED BY REGISTRATION DATE** : 16/Oct/2024 07:14 AM **BARCODE NO. COLLECTION DATE** : 16/Oct/2024 07:23AM :01518961 CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE** : 16/Oct/2024 09:05AM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Unit **Biological Reference interval** LYMPHOCYTES 44^H % 20 - 40by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY EOSINOPHILS 3 % 1 - 6 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY MONOCYTES % 7 2 - 12 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY BASOPHILS 0 % 0 - 1 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY **ABSOLUTE LEUKOCYTES (WBC) COUNT** 3588 ABSOLUTE NEUTROPHIL COUNT /cmm 2000 - 7500 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE LYMPHOCYTE COUNT 3432 /cmm 800 - 4900 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE EOSINOPHIL COUNT 40 - 440 234 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE MONOCYTE COUNT 546 /cmm 80 - 880 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE BASOPHIL COUNT 0 /cmm 0 - 110 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY PLATELETS AND OTHER PLATELET PREDICTIVE MARKERS. PLATELET COUNT (PLT) 266000 /cmm 150000 - 450000 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELETCRIT (PCT) 0.33 % 0.10 - 0.36 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE MEAN PLATELET VOLUME (MPV) 12^H 6.50 - 12.0 fl by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET LARGE CELL COUNT (P-LCC) 30000 - 90000 /cmm 116000^H by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET LARGE CELL RATIO (P-LCR) 43.6 % 11.0 - 45.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET DISTRIBUTION WIDTH (PDW) 16.7 % 15.0 - 17.0 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.



| | 1 | Dr. Vinay Che MD (Pathology & Chairman & Cons | | ME | m Chopra D (Pathology) nt Pathologist | |
|---|--|---|--|--|---|-------|
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| Test Name | | | Value | Unit | Biological Reference interva | l |
| | | ERYTH | IROCYTE SEDII | VENTATION RATE (ES | SR) | |
| ERYTHROCYTE SEDIN by RED CELL AGGREG | | TE (ESR) | 20 | mm/1st | | |
| ystemic lupus erytho CONDITION WITH LOV A low ESR can be see polycythaemia), sigr is sickle cells in sickl NOTE: . ESR and C - reactiv 2. Generally, ESR doe 3. CRP is not affected 4. If the ESR is elevat 5. Women tend to ha | ematosus W ESR n with condition ificantly high wh e cell anaemia) a e protein (C-RP) a is not change as by as many othe ed, it is typically ve a higher ESR, ran, methyldopa | s that inhibit the nite blood cell co also lower the Es are both markers rapidly as does C er factors as is ESI a result of two ty and menstruatio o, oral contracep | e normal sedimen ount (leucocytosis SR. s of inflammation CRP, either at the R, making it a bet ypes of proteins, in and pregnancy | tation of red blood cells, s), and some protein abn start of inflammation or a ter marker of inflammatio globulins or fibrinogen. can cause temporary elev | on. | (such |
| | | | | | | |





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| Test Name | | Value | Unit | Biological Reference interval |
| | CLIN | ICAL CHEMISTR | Y/BIOCHEMISTR | Y |
| | | GLUCOSE FA | STING (F) | |
| | F): PLASMA | 89.5 | mg/dL | NORMAL: < 100.0 |

KOS Diagnostic Lab (A Unit of KOS Healthcare)

A fasting plasma glucose level below 100 mg/dl is considered normal.
 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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| | 6349/1, NICHOLSON ROAI | | URTING DATE | . 10/ OCU 2024 10.13AM |
| est Name | | Value | Unit | Biological Reference interval |
| | | LIPID PROFILE | E : BASIC | |
| HOLESTEROL TOTAL: S | ERUM | 198.66 | mg/dL | OPTIMAL: < 200.0 |
| by CHOLESTEROL OXIDA | SE PAP | | Ĵ | BORDERLINE HIGH: 200.0 - 239 HIGH CHOLESTEROL: > OR = 24 |
| RIGLYCERIDES: SERUN | | 135.32 | mg/dL | OPTIMAL: < 150.0 |
| by GLYCEROL PHOSPHA | E OXIDASE (ENZYMATIC) | | | BORDERLINE HIGH: 150.0 - 199 HIGH: 200.0 - 499.0 |
| | | | | VERY HIGH: > OR = 500.0 |
| IDL CHOLESTEROL (DIR | ECT): SERUM | 52.02 | mg/dL | LOW HDL: < 30.0 |
| by SELECTIVE INHIBITION | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | 5 | BORDERLINE HIGH HDL: 30.0 - |
| | | | | 60.0 |
| | | 110 50 | <i>/</i> | HIGH HDL: $> OR = 60.0$ |
| DL CHOLESTEROL: SER by CALCULATED, SPECTE | | 119.58 | mg/dL | OPTIMAL: < 100.0 ABOVE OPTIMAL: 100.0 - 129.0 |
| <i>by 0/12002/1120, 0/ 2011</i> | | | | BORDERLINE HIGH: 130.0 - 129.0 |
| | | | | HIGH: 160.0 - 189.0 |
| | | | | VERY HIGH: > OR = 190.0 |
| ION HDL CHOLESTERO | | 146.64 ^H | mg/dL | OPTIMAL: < 130.0 |
| by CALCULATED, SPECT | ROPHOTOMETRY | | | ABOVE OPTIMAL: 130.0 - 159.0 |
| | | | | BORDERLINE HIGH: 160.0 - 184 HIGH: 190.0 - 219.0 |
| | | | | VERY HIGH: > OR = 220.0 |
| LDL CHOLESTEROL: SE | RUM | 27.06 | mg/dL | 0.00 - 45.00 |
| by CALCULATED, SPECTR | | | | |
| OTAL LIPIDS: SERUM by CALCULATED, SPECTE | | 532.64 | mg/dL | 350.00 - 700.00 |
| CHOLESTEROL/HDL RAT | | 3.82 | RATIO | LOW RISK: 3.30 - 4.40 |
| by CALCULATED, SPECT | | 3.02 | | AVERAGE RISK: 4.50 - 7.0 |
| | | | | MODERATE RISK: 7.10 - 11.0 |
| | _ | | | HIGH RISK: > 11.0 |
| DL/HDL RATIO: SERUN by CALCULATED, SPECTE | | 2.3 | RATIO | LOW RISK: 0.50 - 3.0 |
| by UALOULATED, SPECT | | | | MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0 |
| | | | | |

KOS Diagnostic Lab (A Unit of KOS Healthcare)

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| Test Name | | Value | Unit | Biological Reference interval |
| TRIGLYCERIDES/HD | L RATIO: SERUM | 2.6 ^L | 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.

3. Low 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. 4. 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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| Test Name | | Value | Unit | Biological Reference interval |
| | LIV | ER FUNCTION T | EST (COMPLETE) | |
| BILIRUBIN TOTAL: S by diazotization, SI | | 0.43 | mg/dL | INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20 |
| | CONJUGATED): SERUM | 0.11 | mg/dL | 0.00 - 0.40 |
| BILIRUBIN INDIRECT | (UNCONJUGATED): SERUM | 0.32 | mg/dL | 0.10 - 1.00 |
| SGOT/AST: SERUM by IFCC, WITHOUT PY | RIDOXAL PHOSPHATE | 42.55 | U/L | 7.00 - 45.00 |
| SGPT/ALT: SERUM by IFCC, WITHOUT PY | RIDOXAL PHOSPHATE | 46.24 | U/L | 0.00 - 49.00 |
| AST/ALT RATIO: SER by CALCULATED, SPE | | 0.92 | RATIO | 0.00 - 46.00 |
| ALKALINE PHOSPHA by para nitrophen propanol | TASE: SERUM YL PHOSPHATASE BY AMINO METHYL | 111.11 | U/L | 40.0 - 130.0 |
| GAMMA GLUTAMYL by SZASZ, SPECTROF | . TRANSFERASE (GGT): SERUM PHTOMETRY | 40.79 | U/L | 0.00 - 55.0 |
| TOTAL PROTEINS: SE by BIURET, SPECTRO | | 6.91 | gm/dL | 6.20 - 8.00 |
| ALBUMIN: SERUM by BROMOCRESOL G | REEN | 4.2 | gm/dL | 3.50 - 5.50 |
| GLOBULIN: SERUM | | 2.71 | gm/dL | 2.30 - 3.50 |
| A : G RATIO: SERUM by CALCULATED, SPE | | 1.55 | 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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| HEPATOCELLULAR C | ARCINOMA & CHRONIC HEPATITIS | | > 1.3 (Slightly Incre | eased) |

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).

PROGNOSTIC SIGNIFICANCE:

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

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| | кі | DNEY FUNCTION TES | ST (COMPLETE) | |
| UREA: SERUM | | 18.67 | mg/dL | 10.00 - 50.00 |
| CREATININE: SERUN | IATE DEHYDROGENASE (GLDH) 1 | 0.71 | mg/dL | 0.40 - 1.20 |
| by ENZYMATIC, SPEC | TROPHOTOMETERY | | | |
| BLOOD UREA NITRO by CALCULATED, SPE | | 8.72 | mg/dL | 7.0 - 25.0 |
| BLOOD UREA NITRO | GEN (BUN)/CREATININE | 12.28 | RATIO | 10.0 - 20.0 |
| RATIO: SERUM by CALCULATED, SPE | CTROPHOTOMETRY | | | |
| UREA/CREATININE F | RATIO: SERUM | 26.3 | RATIO | |
| by CALCULATED, SPE URIC ACID: SERUM | CTROPHOTOMETRY | 5.79 | mg/dL | 2.50 - 6.80 |
| by URICASE - OXIDAS | E PEROXIDASE | | | |
| CALCIUM: SERUM by ARSENAZO III, SPE | CTROPHOTOMETRY | 9.27 | mg/dL | 8.50 - 10.60 |
| PHOSPHOROUS: SER | UM | 3.41 | mg/dL | 2.30 - 4.70 |
| by PHOSPHOMOLYBE ELECTROLYTES | DATE, SPECTROPHOTOMETRY | | | |
| SODIUM: SERUM | | 143.5 | mmol/L | 135.0 - 150.0 |
| by ISE (ION SELECTIV | | | | |
| POTASSIUM: SERUN by ISE (ION SELECTIV | | 4.26 | mmol/L | 3.50 - 5.00 |
| CHLORIDE: SERUM | | 107.63 | mmol/L | 90.0 - 110.0 |
| by ISE (ION SELECTIV | E ELECTRODE) RULAR FILTERATION RATE | | | |
| | RULAR FILTERATION RATE | 98.5 | | |
| (eGFR): SERUM | | | | |
| by CALCULATED | | | | |

INTERPRETATION:

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.

2. Catabolic states with increased tissue breakdown.



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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





| | MD (Pat | Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologist | | Dr. Yugam Chopra MD (Pathology) CEO & Consultant Pathologist | | |
|---|--|--|---|---|---|-------|
| NAME | : Mrs. PRABHJOT KA | UR | | | | |
| AGE/ GENDER | : 58 YRS/FEMALE | | PATIENT ID | : 1644671 | 1 | |
| COLLECTED BY | | | REG. NO./LAB NO. | :012410 | 160003 | |
| REFERRED BY | | | REGISTRATION DA | | 2024 07:14 AM | |
| | | | | | | |
| BARCODE NO. | :01518961 | - | COLLECTION DATI | | 2024 07:23AM | |
| CLIENT CODE. | : KOS DIAGNOSTIC LA | | REPORTING DATE | : 16/0ct/2 | 2024 10:15AM | |
| CLIENT ADDRESS | : 6349/1, NICHOLSON | ROAD, AMBALA CANTI | | | | |
| Test Name | | Value | Uni | t I | Biological Reference inter | rval |
| Reduced muscle m Certain drugs (e.g. INCREASED RATIO (>2 Postrenal azotemia Prerenal azotemia | xia, high fever). (e.g. ureter colostomy) ass (subnormal creatinir tetracycline, glucocortic 0:1) WITH ELEVATED CRE (BUN rises disproportio superimposed on renal (| ne production) oids) ATININE LEVELS: nately more than creatir disease. | | | 's syndrome, high protein d | diet, |
| 7. Urine reabsorption 8. Reduced muscle m 9. Certain drugs (e.g. INCREASED RATIO (>2 1. Postrenal azotemia DECREASED RATIO (< 1. Acute tubular necr 2. Low protein diet ar 3. Severe liver disease 4. Other causes of de 5. Repeated dialysis (6. Inherited hyperam 7. SIADH (syndrome of 8. Pregnancy. DECREASED RATIO (< 1. Phenacimide thera 2. Rhabdomyolysis (r 3. Muscular patients INAPPROPIATE RATIO 1. Diabetic ketoacido should produce an in 2. Cephalosporin ther | xia, high fever). (e.g. ureter colostomy) ass (subnormal creatinin tetracycline, glucocortic 0:1) WITH ELEVATED CRE (BUN rises disproportio superimposed on renal (0:1) WITH DECREASED B osis. Ind starvation. 2. creased urea synthesis. urea rather than creatin monemias (urea is virtual of inappropiate antidiure 0:1) WITH INCREASED CF py (accelerates conversi- eleases muscle creatinine who develop renal failure 0:1) WITH INCREASED CF py (accelerates conversi- eleases muscle creatinine who develop renal failure 1: sis (acetoacetate causes creased BUN/creatinine apy (interferes with creatinine apy (interferes with creatinine) 10500000000000000000000000000000000000 | e production) oids) ATININE LEVELS: nately more than creatin disease. UN : ine diffuses out of extra ally absent in blood). tic harmone) due to tubu REATININE: on of creatine to creatini e). e. false increase in creatin ratio). tinine measurement). PTION GFR (1 ey function GFR (1) | iine) (e.g. obstructive cellular fluid). ular secretion of urea. ine). | uropathy). nodologies,resultin ASSOCIATED FIN No proteinu Presence of Pro | ıg in normal ratio when deł <u>NDINGS</u> uria otein , | |
| 7. Urine reabsorption 8. Reduced muscle m 9. Certain drugs (e.g. INCREASED RATIO (>2 1. Postrenal azotemia DECREASED RATIO (< 1. Acute tubular necr 2. Low protein diet ar 3. Severe liver disease 4. Other causes of de 5. Repeated dialysis (6. Inherited hyperam 7. SIADH (syndrome of 8. Pregnancy. DECREASED RATIO (< 1. Phenacimide thera 2. Rhabdomyolysis (r 3. Muscular patients INAPPROPIATE RATIO 1. Diabetic ketoacido should produce an in 2. Cephalosporin ther ESTIMATED GLOMERU G1 G2 | xia, high fever). (e.g. ureter colostomy) ass (subnormal creatinin tetracycline, glucocortic 0:1) WITH ELEVATED CRE (BUN rises disproportio superimposed on renal (0:1) WITH DECREASED B osis. Id starvation. e. creased urea synthesis. urea rather than creatin monemias (urea is virtual of inappropiate antidiure 0:1) WITH INCREASED CF py (accelerates conversi- eleases muscle creatinine who develop renal failure 0:1) WITH INCREASED CF py (accelerates conversi- eleases muscle creatinine who develop renal failure 0:1) CREASED CF py (accelerates conversi- eleases muscle creatinine apy (interferes with creatinine) 1000 | e production) oids) ATININE LEVELS: nately more than creatin disease. UN : ine diffuses out of extra ally absent in blood). tic harmone) due to tubu REATININE: on of creatine to creatini e). e. false increase in creatin ratio). tinine measurement). PTION GFR (1 ey function nage with high GFR | ine) (e.g. obstructive cellular fluid). Jar secretion of urea ine). ine with certain meth <u>mL/min/1.73m2) >90 >90</u> | uropathy). nodologies,resultin <u>ASSOCIATED FIN</u> No proteinu | ıg in normal ratio when deł <u>NDINGS</u> uria otein , | |
| 7. Urine reabsorption 8. Reduced muscle m 9. Certain drugs (e.g. INCREASED RATIO (>2 1. Postrenal azotemia 2. Prerenal azotemia DECREASED RATIO (< 1. Acute tubular necr 2. Low protein diet ar 3. Severe liver disease 4. Other causes of de 5. Repeated dialysis (6. Inherited hyperam 7. SIADH (syndrome of 8. Pregnancy. DECREASED RATIO (< 1. Phenacimide thera 2. Rhabdomyolysis (r 3. Muscular patients INAPPROPIATE RATIO 1. Diabetic ketoacido should produce an in 2. Cephalosporin ther ESTIMATED GLOMERL CKD STAGE | xia, high fever). (e.g. ureter colostomy) ass (subnormal creatinin tetracycline, glucocortic 0:1) WITH ELEVATED CRE (BUN rises disproportio superimposed on renal (0:1) WITH DECREASED B osis. Ind starvation. 2. creased urea synthesis. urea rather than creatin monemias (urea is virtual of inappropiate antidiure 0:1) WITH INCREASED CF py (accelerates conversi- eleases muscle creatinine who develop renal failure 0:1) WITH INCREASED CF py (accelerates conversi- eleases muscle creatinine who develop renal failure 1: sis (acetoacetate causes creased BUN/creatinine apy (interferes with creatinine apy (interferes with creatinine) 10500000000000000000000000000000000000 | the production) oids) ATININE LEVELS: nately more than creating disease. UN : UN : ine diffuses out of extra ally absent in blood). tic harmone) due to tubu REATININE: on of creatine to creatini e). e. false increase in creatini ratio). tinine measurement). PTION GFR (1) ey function nage with high GFR ase in GFR | ine) (e.g. obstructive cellular fluid). Jar secretion of urea ine). ine with certain meth mL/min/1.73m2) >90 | uropathy). nodologies,resultin ASSOCIATED FIN No proteinu Presence of Pro | ıg in normal ratio when deł <u>NDINGS</u> uria otein , | |

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

Kidney failure

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

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| | Dr. Vinay Chopra MD (Pathology & Microbiolo Chairman & Consultant Path | | (Pathology) |
|----------------|---|--------------------------|-------------------------------|
| NAME | : Mrs. PRABHJOT KAUR | | |
| AGE/ GENDER | : 58 YRS/FEMALE | PATIENT ID | : 1644671 |
| COLLECTED BY | : | REG. NO./LAB NO. | : 012410160003 |
| REFERRED BY | : | REGISTRATION DATE | : 16/Oct/2024 07:14 AM |
| BARCODE NO. | : 01518961 | COLLECTION DATE | : 16/Oct/2024 07:23AM |
| CLIENT CODE. | : KOS DIAGNOSTIC LAB | REPORTING DATE | : 16/Oct/2024 10:15AM |
| CLIENT ADDRESS | : 6349/1, NICHOLSON ROAD, AMBALA CA | ANTT | |
| | | | |
| Test Name | Value | e 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

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

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| Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologist | | MD | Dr. Yugam Chopra MD (Pathology) CEO & Consultant Pathologist | |
|---|-------------------------|------------------|--|--|
| NAME : Mrs. PRABHJOT | ſKAUR | | | |
| AGE/ GENDER : 58 YRS/FEMALE | E PA | ATIENT ID | : 1644671 | |
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| REFERRED BY : | | EGISTRATION DATE | : 16/Oct/2024 07:14 AM | |
| BARCODE NO. : 01518961 | | DLLECTION DATE | : 16/Oct/2024 07:23AM | |
| CLIENT CODE. : KOS DIAGNOSTI | | EPORTING DATE | : 16/Oct/2024 09:48AM | |
| | LSON ROAD, AMBALA CANTT | | | |
| | | | | |
| Test Name | Value | Unit | Biological Reference interval | |
| | CLINICAL PA | ATHOLOGY | | |
| | URINE ROUTINE & MICR | | | |
| | | | | |
| PHYSICAL EXAMINATION | | | | |
| QUANTITY RECIEVED by DIP STICK/REFLECTANCE SPECTROPHO | 10 | ml | | |
| COLOUR | PALE YELLOV | v | PALE YELLOW | |
| by DIP STICK/REFLECTANCE SPECTROPHO | TOMETRY | | | |
| TRANSPARANCY | HAZY | | CLEAR | |
| by DIP STICK/REFLECTANCE SPECTROPHO SPECIFIC GRAVITY | 1.02 | | 1.002 - 1.030 | |
| by DIP STICK/REFLECTANCE SPECTROPHO | | | 1.002 - 1.000 | |
| CHEMICAL EXAMINATION | | | | |
| REACTION | ACIDIC | | | |
| by DIP STICK/REFLECTANCE SPECTROPHO | | | | |
| PROTEIN by DIP STICK/REFLECTANCE SPECTROPHO | Negative | | NEGATIVE (-ve) | |
| SUGAR | Negative | | NEGATIVE (-ve) | |
| by DIP STICK/REFLECTANCE SPECTROPHO | | | | |
| | <=5.0 | | 5.0 - 7.5 | |
| by DIP STICK/REFLECTANCE SPECTROPHO BILIRUBIN | Negative | | NEGATIVE (-ve) | |
| by DIP STICK/REFLECTANCE SPECTROPHO | | | | |
| NITRITE | Negative | | NEGATIVE (-ve) | |
| by DIP STICK/REFLECTANCE SPECTROPHO | | ETT/41 | 0.2 1.0 | |
| UROBILINOGEN by DIP STICK/REFLECTANCE SPECTROPHO | Normal TOMETRY | EU/dL | 0.2 - 1.0 | |
| KETONE BODIES | Negative | | NEGATIVE (-ve) | |
| by DIP STICK/REFLECTANCE SPECTROPHO | TOMETRY | | | |
| BLOOD by DIP STICK/REFLECTANCE SPECTROPHO | Negative | | NEGATIVE (-ve) | |
| ASCORBIC ACID | NEGATIVE (- | ve) | NEGATIVE (-ve) | |
| by DIP STICK/REFLECTANCE SPECTROPHO | | | × , | |

MICROSCOPIC EXAMINATION

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

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

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Dr. Vinay Chopra

MD (Pathology & Microbiology)

EXCELLENCE IN HEALTHCARE & DIAGNOSTICS

Dr. Yugam Chopra MD (Pathology)

ABSENT

Chairman & Consultant Pathologist **CEO & Consultant Pathologist** NAME : Mrs. PRABHJOT KAUR AGE/ GENDER : 58 YRS/FEMALE **PATIENT ID** :1644671 **COLLECTED BY** REG. NO./LAB NO. :012410160003 **REFERRED BY REGISTRATION DATE** : 16/Oct/2024 07:14 AM **BARCODE NO.** :01518961 **COLLECTION DATE** : 16/Oct/2024 07:23AM CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE** : 16/Oct/2024 09:48AM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Unit **Biological Reference interval** NEGATIVE (-ve) **RED BLOOD CELLS (RBCs)** /HPF 0 - 3 by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT PUS CELLS 3-5 /HPF 0 - 5 by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT EPITHELIAL CELLS 5-7 /HPF ABSENT by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT CRYSTALS CALCIUM OXALATE (++) NEGATIVE (-ve) by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT NEGATIVE (-ve) NEGATIVE (-ve) CASTS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT BACTERIA NEGATIVE (-ve) **NEGATIVE** (-ve) by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT OTHERS NEGATIVE (-ve) NEGATIVE (-ve)

by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT TRICHOMONAS VAGINALIS (PROTOZOA)

by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT

*** End Of Report ***

ABSENT



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

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