

TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



| | Dr. Vinay Chopra MD (Pathology & Micr Chairman & Consultar | obiology) | Dr. Yugam MD CEO & Consultant | (Pathology) |
|--|---|-------------------|--|-----------------------------------|
| AME | : Mrs. DALJIT KAUR | | | |
| GE/ GENDER | : 38 YRS/FEMALE | F | PATIENT ID | : 1684532 |
| COLLECTED BY | : | F | REG. NO./LAB NO. | : 012411280008 |
| REFERRED BY | : | F | REGISTRATION DATE | : 28/Nov/2024 09:18 AM |
| SARCODE NO. | : 01521581 | | COLLECTION DATE | : 28/Nov/2024 09:24AM |
| LIENT CODE. | : KOS DIAGNOSTIC LAB | | REPORTING DATE | : 28/Nov/2024 10:17AM |
| LIENT ADDRESS | : 6349/1, NICHOLSON ROAD, AMB | ALA CANTT | | |
| Fest Name | | Value | Unit | Biological Reference interval |
| | SW/A ST | HVA WFI | LNESS PANEL: 1.0 | |
| | | | OD COUNT (CBC) | |
| PED BLOOD CELL | S (RBCS) COUNT AND INDICES | LETE DLU | | |
| HAEMOGLOBIN (H | | 11 ^L | gm/dL | 12.0 - 16.0 |
| by CALORIMETRIC | | | U U | |
| RED BLOOD CELL (| (RBC) COUNT FOCUSING, ELECTRICAL IMPEDENCE | 6.24 ^H | Millions/ | cmm 3.50 - 5.00 |
| PACKED CELL VOL | UME (PCV) AUTOMATED HEMATOLOGY ANALYZER | 36.1 ^L | % | 37.0 - 50.0 |
| • | AR VOLUME (MCV) | 58 ^L | fL | 80.0 - 100.0 |
| | AUTOMATED HEMATOLOGY ANALYZER AR HAEMOGLOBIN (MCH) | | pď | 27.0 - 34.0 |
| | AUTOMATED HEMATOLOGY ANALYZER | 17.6 ^L | pg | 27.0 - 34.0 |
| | AR HEMOGLOBIN CONC. (MCHC) | 30.3 ^L | g/dL | 32.0 - 36.0 |
| RED CELL DISTRIB | UTION WIDTH (RDW-CV) | 18.1 ^H | % | 11.00 - 16.00 |
| | AUTOMATED HEMATOLOGY ANALYZER UTION WIDTH (RDW-SD) | 39.3 | fL | 35.0 - 56.0 |
| by CALCULATED BY A | AUTOMATED HEMATOLOGY ANALYZER | | | |
| MENTZERS INDEX | | 9.29 | RATIO | BETA THALASSEMIA TRAIT: < 13.0 |
| | | | | IRON DEFICIENCY ANEMIA: |
| GREEN & KING INI |)FX | 16.8 | RATIO | >13.0 BETA THALASSEMIA TRAIT:< |
| by CALCULATED | | 10.0 | in the second se | 65.0 |
| | | | | IRON DEFICIENCY ANEMIA: > 65.0 |
| WHITE BLOOD CE | LLS (WBCS) | | | 00.0 |
| | E COUNT (TLC) | 10210 | /cmm | 4000 - 11000 |
| TOTAL LEUCOCYTI | | | | |
| FOTAL LEUCOCYTI | Y BY SF CUBE & MICROSCOPY SLOOD CELLS (nRBCS) | NII. | | (0.00 - 20.00) |
| TOTAL LEUCOCYTI by FLOW CYTOMETR NUCLEATED RED F by AUTOMATED 6 PAI | y by sf cube & microscopy BLOOD CELLS (nRBCS) rt hematology analyzer BLOOD CELLS (nRBCS) % | NIL NIL | % | 0.00 - 20.00 < 10 % |





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

 KOS Molecular Lab: Ilnd Floor, Parry Hotel, Staff Road, Opp. GPO, Ambala Cantt -133 001, Haryana

 0171-2643898, +91 99910 43898
 care@koshealthcare.com

 www.koshealthcare.com
 www.koshealthcare.com



Page 1 of 15





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

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

| NAME | : Mrs. DALJIT KAUR | | |
|--------------------|--|--------------------------|------------------------|
| AGE/ GENDER | : 38 YRS/FEMALE | PATIENT ID | : 1684532 |
| COLLECTED BY | : | REG. NO./LAB NO. | : 012411280008 |
| REFERRED BY | : | REGISTRATION DATE | : 28/Nov/2024 09:18 AM |
| BARCODE NO. | : 01521581 | COLLECTION DATE | : 28/Nov/2024 09:24AM |
| CLIENT CODE. | : KOS DIAGNOSTIC LAB | REPORTING DATE | : 28/Nov/2024 10:17AM |
| CLIENT ADDRESS | : 6349/1, NICHOLSON ROAD, AMBALA CANTT | | |
| | | | |

| Test Name | Value | Unit | Biological Reference interval |
|---|---------------------|------|--------------------------------------|
| DIFFERENTIAL LEUCOCYTE COUNT (DLC) | | | |
| NEUTROPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY | 66 | % | 50 - 70 |
| LYMPHOCYTES by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY | 27 | % | 20 - 40 |
| EOSINOPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY | 1 | % | 1 - 6 |
| MONOCYTES by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY | 6 | % | 2 - 12 |
| BASOPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE LEUKOCYTES (WBC) COUNT | 0 | % | 0 - 1 |
| ABSOLUTE NEUTROPHIL COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY | 6739 | /cmm | 2000 - 7500 |
| ABSOLUTE LYMPHOCYTE COUNT by flow cytometry by sf cube & microscopy | 2757 | /cmm | 800 - 4900 |
| ABSOLUTE EOSINOPHIL COUNT by flow cytometry by sf cube & microscopy | 102 | /cmm | 40 - 440 |
| ABSOLUTE MONOCYTE COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY | 613 | /cmm | 80 - 880 |
| ABSOLUTE BASOPHIL COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY | 0 | /cmm | 0 - 110 |
| ABSOLUTE IMMATURE GRANULOCYTE COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY | 102 | /cmm | 0.0 - 999.0 |
| PLATELETS AND OTHER PLATELET PREDICTIV | <u>E MARKERS.</u> | | |
| PLATELET COUNT (PLT) by hydro dynamic focusing, electrical impedence | 248000 | /cmm | 150000 - 450000 |
| PLATELETCRIT (PCT) by hydro dynamic focusing, electrical impedence | 0.31 | % | 0.10 - 0.36 |
| MEAN PLATELET VOLUME (MPV) by hydro dynamic focusing, electrical impedence | 13 ^H | fL | 6.50 - 12.0 |
| PLATELET LARGE CELL COUNT (P-LCC) by hydro dynamic focusing, electrical impedence | 135000 ^H | /cmm | 30000 - 90000 |
| PLATELET LARGE CELL RATIO (P-LCR) by Hydro Dynamic Focusing, electrical impedence | 54.5 ^H | % | 11.0 - 45.0 |
| PLATELET DISTRIBUTION WIDTH (PDW) by hydro dynamic focusing, electrical impedence | 15 | % | 15.0 - 17.0 |



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

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







| | Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologis | | (Pathology) |
|---------------------|--|--------------------------|--------------------------------------|
| NAME | : Mrs. DALJIT KAUR | | |
| AGE/ GENDER | : 38 YRS/FEMALE | PATIENT ID | : 1684532 |
| COLLECTED BY | : | REG. NO./LAB NO. | : 012411280008 |
| REFERRED BY | : | REGISTRATION DATE | : 28/Nov/2024 09:18 AM |
| BARCODE NO. | : 01521581 | COLLECTION DATE | : 28/Nov/2024 09:24AM |
| CLIENT CODE. | : KOS DIAGNOSTIC LAB | REPORTING DATE | : 28/Nov/2024 10:17AM |
| CLIENT ADDRESS | : 6349/1, NICHOLSON ROAD, AMBALA CANTT | ſ | |
| | | | |
| Test Name | Value | Unit | Biological Reference interval |

NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD



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

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





TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



| | Dr. Vinay Chop MD (Pathology & M Chairman & Consult | licrobiology) | | (Pathology) |
|--|---|--|---|---|
| AME | : Mrs. DALJIT KAUR | | | |
| GE/ GENDER | : 38 YRS/FEMALE | | PATIENT ID | : 1684532 |
| OLLECTED BY | : | | REG. NO./LAB NO. | : 012411280008 |
| EFERRED BY | : | | REGISTRATION DATE | : 28/Nov/2024 09:18 AM |
| ARCODE NO. | : 01521581 | | COLLECTION DATE | : 28/Nov/2024 09:24AM |
| LIENT CODE. | : KOS DIAGNOSTIC LAB | | REPORTING DATE | : 28/Nov/2024 10:39AM |
| LIENT ADDRESS | : 6349/1, NICHOLSON ROAD, AM | IBALA CANTT | | |
| 'est Name | | Value | Unit | Biological Reference interval |
| mune disease, but An ESR can be affe C-reactive protein This test may also stemic lupus eryth NDITION WITH LO ow ESR can be see olycythaemia), sig | does not tell the health practitione ected by other conditions besides inf be used to monitor disease activity ematosus W ESR In with conditions that inhibit the no | r exactly when flammation. F and response ormal sediment (leucocytos) | re the inflammation is in th or this reason, the ESR is ty to therapy in both of the a ntation of red blood cells, s | pically used in conjunction with other test such bove diseases as well as some others, such as |
| DTE: ESR and C - reactiv Generally, ESR doo CRP is not affected If the ESR is elevat Women tend to ha Drugs such as dex | e protein (C-RP) are both markers o sonot change as rapidly as does CRP l by as many other factors as is ESR, i ed, it is typically a result of two type we a higher ESR, and menstruation a tran, methyldopa, oral contraceptiv | f inflammation P, either at the making it a be es of proteins and pregnancy | e start of inflammation or a tter marker of inflammatio , globulins or fibrinogen. / can cause temporary elev | n. |
| spirin, cortisone, ar | id quinine may decrease it | | | |





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

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







| | | | & Microbiology) Isultant Pathologist | | (Pathology) : Pathologist |
|-----------------|----------------|--------------|---|--------------------------|---|
| NAME | : Mrs. DALJIT | KAUR | | | |
| AGE/ GENDER | : 38 YRS/FEMA | LE | | PATIENT ID | : 1684532 |
| COLLECTED BY | : | | | REG. NO./LAB NO. | : 012411280008 |
| REFERRED BY | : | | | REGISTRATION DATE | : 28/Nov/2024 09:18 AM |
| BARCODE NO. | :01521581 | | | COLLECTION DATE | : 28/Nov/2024 09:24AM |
| CLIENT CODE. | : KOS DIAGNOS | STIC LAB | | REPORTING DATE | : 28/Nov/2024 11:50AM |
| CLIENT ADDRESS | : 6349/1, NICH | IOLSON ROAD, | AMBALA CANTT | | |
| Test Name | | | Value | Unit | Biological Reference interval |
| | | CLINI | CAL CHEMIS | FRY/BIOCHEMIST | 'RY |
| | | | GLUCOSE | FASTING (F) | |
| GLUCOSE FASTING | G (F): PLASMA | OD-POD) | 222.39 ^H | mg/dL | NORMAL: < 100.0 PREDIABETIC: 100.0 - 125.0 |

IN ACCORDANCE WITH AMERICAN DIABETES ASSOCIATION GUIDELINES:

 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.

test (after consumption of 75 gms of glucose) is recommended for all such patients. 3. 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.





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

DR.YUGAM CHOPRA

CONSULTANT PATHOLOGIST GY) MBBS , MD (PATHOLOGY)







| | Dr. Vinay Cl MD (Pathology Chairman & Co | | Dr. Yugam MD CEO & Consultant | (Pathology) |
|---------------------------------------|---|---------------------|-------------------------------------|---|
| NAME | : Mrs. DALJIT KAUR | | | |
| AGE/ GENDER | : 38 YRS/FEMALE | PA | TIENT ID | : 1684532 |
| COLLECTED BY | : | RE | EG. NO./LAB NO. | : 012411280008 |
| REFERRED BY | : | RH | EGISTRATION DATE | : 28/Nov/2024 09:18 AM |
| BARCODE NO. | : 01521581 | CO | DLLECTION DATE | : 28/Nov/2024 09:24AM |
| CLIENT CODE. | : KOS DIAGNOSTIC LAB | RE | EPORTING DATE | : 28/Nov/2024 11:50AM |
| CLIENT ADDRESS | : 6349/1, NICHOLSON ROAD | , AMBALA CANTT | | |
| Test Name | | Value | Unit | Biological Reference interval |
| | | | II E . DASIC | |
| | TAL CEDUM | LIPID PROF | | OPTIMAL: < 200.0 |
| CHOLESTEROL TO by CHOLESTEROL O | | 170.89 | mg/dL | BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR = |
| FRIGLYCERIDES: S | | 342.45 ^H | mg/dL | 240.0 OPTIMAL: < 150.0 |
| by GLYCEROL PHOSE | PHATE OXIDASE (ENZYMATIC) | | | BORDERLINE HIGH: 150.0 - 199.0 HIGH: 200.0 - 499.0 |
| UDI CHOLESTEDO | L (DIRECT): SERUM | 34.4 | mg/dL | VERY HIGH: > OR = 500.0 LOW HDL: < 30.0 |
| by SELECTIVE INHIBIT | | 34.4 | ing/uL | BORDERLINE HIGH HDL: 30.0 60.0 HIGH HDL: > OR = 60.0 |
| LDL CHOLESTERO by CALCULATED, SPE | | 68 | mg/dL | OPTIMAL: < 100.0 ABOVE OPTIMAL: 100.0 - 129. BORDERLINE HIGH: 130.0 - 159.0 HIGH: 160.0 - 189.0 |
| NON HDL CHOLES' by calculated, spe | TEROL: SERUM ECTROPHOTOMETRY | 136.49 ^H | mg/dL | VERY HIGH: > OR = 190.0 OPTIMAL: < 130.0 ABOVE OPTIMAL: 130.0 - 159. BORDERLINE HIGH: 160.0 - 189.0 HIGH: 190.0 - 219.0 VERY HIGH: > OR = 220.0 |
| VLDL CHOLESTER | | 68.49 ^H | mg/dL | 0.00 - 45.00 |
| TOTAL LIPIDS: SEF | | 684.23 | mg/dL | 350.00 - 700.00 |
| CHOLESTEROL/HI | ECTROPHOTOMETRY DL RATIO: SERUM ECTROPHOTOMETRY | 4.97 ^H | RATIO | LOW RISK: 3.30 - 4.40 AVERAGE RISK: 4.50 - 7.0 MODERATE RISK: 7.10 - 11.0 HIGH RISK: > 11.0 |

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

•

65N

56

Ľ7

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

KOS Central Lab: 6349/1, Nicholson Road, Ambala Cantt -133 001, Haryana KOS Molecular Lab: IInd Floor, Parry Hotel, Staff Road, Opp. GPO, Ambala Cantt - 133 001, Haryana 0171-2643898, +91 99910 43898 | care@koshealthcare.com | www.koshealthcare.com



TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





| | Dr. Vinay Cł MD (Pathology & Chairman & Cor | | Dr. Yugam MD CEO & Consultant | (Pathology) |
|--|---|-------------------|-------------------------------------|---|
| NAME | : Mrs. DALJIT KAUR | | | |
| AGE/ GENDER | : 38 YRS/FEMALE | P | PATIENT ID | : 1684532 |
| COLLECTED BY | : | R | REG. NO./LAB NO. | : 012411280008 |
| REFERRED BY | : | R | REGISTRATION DATE | : 28/Nov/2024 09:18 AM |
| BARCODE NO. | :01521581 | C | COLLECTION DATE | : 28/Nov/2024 09:24AM |
| CLIENT CODE. | : KOS DIAGNOSTIC LAB | R | REPORTING DATE | : 28/Nov/2024 11:50AM |
| CLIENT ADDRESS | : 6349/1, NICHOLSON ROAD, | AMBALA CANTT | | |
| Test Name | | Value | Unit | Biological Reference interval |
| LDL/HDL RATIO: S by CALCULATED, SPE | | 1.98 | RATIO | LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0 |
| TRIGLYCERIDES/H by CALCULATED, SPE | IDL RATIO: SERUM | 9.95 ^H | 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





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







| | Dr. Vinay Chopi MD (Pathology & Mic Chairman & Consulta | crobiology) | Dr. Yugam MD (CEO & Consultant | (Pathology) |
|---|---|-------------------|---------------------------------------|---|
| NAME | : Mrs. DALJIT KAUR | | | |
| AGE/ GENDER | : 38 YRS/FEMALE | Р | ATIENT ID | : 1684532 |
| COLLECTED BY | : | R | EG. NO./LAB NO. | : 012411280008 |
| REFERRED BY | : | R | EGISTRATION DATE | : 28/Nov/2024 09:18 AM |
| BARCODE NO. | : 01521581 | C | OLLECTION DATE | : 28/Nov/2024 09:24AM |
| CLIENT CODE. | : KOS DIAGNOSTIC LAB | R | EPORTING DATE | : 28/Nov/2024 11:50AM |
| CLIENT ADDRESS | : 6349/1, NICHOLSON ROAD, AMI | BALA CANTT | | |
| Test Name | | Value | Unit | Biological Reference interval |
| | LIVER | FUNCTION ' | TEST (COMPLETE) | |
| BILIRUBIN TOTAL by DIAZOTIZATION, S. | : SERUM PECTROPHOTOMETRY | 1.41 ^H | mg/dL | INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20 |
| | Г (CONJUGATED): SERUM spectrophotometry | 0.25 | mg/dL | 0.00 - 0.40 |
| | ECT (UNCONJUGATED): SERUM | 1.16 ^H | mg/dL | 0.10 - 1.00 |
| SGOT/AST: SERUM | I (RIDOXAL PHOSPHATE | 17.1 | U/L | 7.00 - 45.00 |
| SGPT/ALT: SERUM | | 17.8 | U/L | 0.00 - 49.00 |
| AST/ALT RATIO: S | ERUM ECTROPHOTOMETRY | 0.96 | RATIO | 0.00 - 46.00 |
| ALKALINE PHOSP | | 100.24 | U/L | 40.0 - 130.0 |
| GAMMA GLUTAMY by SZASZ, SPECTRO | L TRANSFERASE (GGT): SERUM | 19.77 | U/L | 0.00 - 55.0 |
| TOTAL PROTEINS: by BIURET, SPECTRO | | 7.29 | gm/dL | 6.20 - 8.00 |
| ALBUMIN: SERUM | | 4.4 | gm/dL | 3.50 - 5.50 |

by CALCULATED, SPECTROPHOTOMETRY A : G RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY

by BROMOCRESOL GREEN

GLOBULIN: SERUM

INTERPRETATION

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:

| > 2 |
|----------------------------|
| > 2 (Highly Suggestive) |
| 1.4 - 2.0 |
| > 1.5 |
| > 1.3 (Slightly Increased) |
| |

2.89

1.52





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

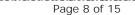
DR.YUGAM CHOPRA CONSULTANT PATHOLOGIST MBBS, MD (PATHOLOGY)

gm/dL

RATIO

2.30 - 3.50

1.00 - 2.00







| | Dr. Vinay Chopr MD (Pathology & Mic Chairman & Consulta | robiology) MI | n Chopra D (Pathology) ht Pathologist |
|--------------------|---|--------------------------|---|
| NAME | : Mrs. DALJIT KAUR | | |
| AGE/ GENDER | : 38 YRS/FEMALE | PATIENT ID | : 1684532 |
| COLLECTED BY | : | REG. NO./LAB NO. | : 012411280008 |
| REFERRED BY | : | REGISTRATION DATE | : 28/Nov/2024 09:18 AM |
| BARCODE NO. | : 01521581 | COLLECTION DATE | : 28/Nov/2024 09:24AM |
| CLIENT CODE. | : KOS DIAGNOSTIC LAB | REPORTING DATE | : 28/Nov/2024 11:50AM |
| CLIENT ADDRESS | : 6349/1, NICHOLSON ROAD, AME | BALA CANTT | |
| Test Name | | Value Unit | Biological Reference interva |

DECREASED:

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 |



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

MBBS, MD (PATHOLOGY)







| Dr. Vinay Cho MD (Pathology & M Chairman & Consu | | Microbiology) | | Pathology) | |
|--|-----------------------------|--------------------------------|--------------------------|--|--|
| NAME | : Mrs. DALJIT KAUR | | | | |
| AGE/ GENDER | : 38 YRS/FEMALE | PATIENT ID REG. NO./LAB NO. | | : 1684532 : 012411280008 : 28/Nov/2024 09:18 AM | |
| COLLECTED BY | : | | | | |
| REFERRED BY | | | REGISTRATION DATE | | |
| BARCODE NO. | : 01521581 | | COLLECTION DATE | : 28/Nov/2024 09:24AM | |
| CLIENT CODE. | : KOS DIAGNOSTIC LAB | | REPORTING DATE | : 28/Nov/2024 11:50AM | |
| CLIENT ADDRESS | : 6349/1, NICHOLSON ROAD, A | MBALA CANTT | | | |
| Test Name | | Value | Unit | Biological Reference interva | |
| | KIDN | EY FUNCTIO | N TEST (COMPLETE) | | |
| UREA: SERUM | | 25.92 | mg/dL | 10.00 - 50.00 | |
| by UREASE - GLUTAMATE DEHYDROGENASE (GLDH) CREATININE: SERUM | | 0.78 | mg/dL | 0.40 - 1.20 | |
| by ENZYMATIC, SPECTROPHOTOMETERY | | | - | | |
| BLOOD UREA NITROGEN (BUN): SERUM by CALCULATED, SPECTROPHOTOMETRY | | 12.11 | mg/dL | 7.0 - 25.0 | |
| | ROGEN (BUN)/CREATININE | 15.53 | RATIO | 10.0 - 20.0 | |
| RATIO: SERUM | | | | | |
| by CALCULATED, SPE UREA/CREATININ | | 33.23 | RATIO | | |
| by CALCULATED, SPE | ECTROPHOTOMETRY | | | | |
| URIC ACID: SERUM by URICASE - OXIDAS | | 3.93 | mg/dL | 2.50 - 6.80 | |
| CALCIUM: SERUM | | 10.32 | mg/dL | 8.50 - 10.60 | |
| by ARSENAZO III, SPE PHOSPHOROUS: SE | | 3.45 | mg/dI | 2.30 - 4.70 | |
| | DATE, SPECTROPHOTOMETRY | 3.45 | mg/dL | 2.30 - 4.70 | |
| ELECTROLYTES | | | | | |
| SODIUM: SERUM by ISE (ION SELECTIVE ELECTRODE) | | 137.9 | mmol/L | 135.0 - 150.0 | |
| POTASSIUM: SERU | | 4 | mmol/L | 3.50 - 5.00 | |
| by ISE (ION SELECTIV | /E ELECTRODE) | | | | |
| CHLORIDE: SERUM by ISE (ION SELECTIVE ELECTRODE) | | 103.43 | mmol/L | 90.0 - 110.0 | |
| | IERULAR FILTERATION RATE | | | | |
| | ERULAR FILTERATION RATE | 99.6 | | | |

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.

3. GI haemorrhage.



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

 KOS Molecular Lab: IInd Floor, Parry Hotel, Staff Road, Opp. GPO, Ambala Cantt -133 001, Haryana

 0171-2643898, +91 99910 43898
 care@koshealthcare.com
 www.koshealthcare.com







| | | Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologist | | Dr. Yugam Chopra MD (Pathology) st CEO & Consultant Pathologist | | | | |
|--|--|--|---|---|--|---|-------------|-------------|
| IAME | : Mrs. DALJIT | KAUR | | | | | | |
| AGE/ GENDER | : 38 YRS/FEM | ALE | P | ATIENT ID | : 10 | 384532 | | |
| COLLECTED BY | : | | R | EG. NO./LAB NO. | :0 | 124112800 | 08 | |
| REFERRED BY | | | | EGISTRATION DA | | 3/Nov/2024 (| | |
| | | | | | | | | |
| BARCODE NO. | :01521581 | | | DLLECTION DAT | | 3/Nov/2024 (| | |
| CLIENT CODE. | : KOS DIAGNO | | | EPORTING DATE | E : 28 | 3/Nov/2024 1 | 11:50AM | |
| CLIENT ADDRESS | : 6349/1, NIC | HOLSON ROAD, AMB | ALA CANTT | | | | | |
| Test Name | | | Value | Uni | it | Biolog | ical Refere | ence interv |
| 9. Certain drugs (e.g. INCREASED RATIO (>2 1. Postrenal azotemia 2. Prerenal azotemia DECREASED RATIO (<' | tetracycline, glu 0:1) WITH ELEVA (BUN rises disp superimposed o 0:1) WITH DECR | TED CREATININE LEVE roportionately more to n renal disease. | |) (e.g. obstructive | e uropathy). | | | |
| P. Certain drugs (e.g., INCREASED RATIO (>2 1. Postrenal azotemia 2. Prerenal azotemia DECREASED RATIO (<' 1. Acute tubular necr 2. Low protein diet an 3. Severe liver diseas 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 there ESTIMATED GLOMERI G1 G2 | tetracycline, glu 0:1) WITH ELEVA (BUN rises disp superimposed o 0:1) WITH DECR osis. Id starvation. 2. creased urea syr urea rather thar monemias (urea of inappropiate a 0:1) WITH INCRE py (accelerates of eleases muscle of who develop ref sis (acetoacetate creased BUN/crea apy (interferes v ILAR FILTERATIO Nor Kin Nor | cocorticoids) TED CREATININE LEVE roportionately more to n renal disease. EASED BUN : Athesis. a creatinine diffuses of is virtually absent in ntidiuretic harmone) CASED CREATININE: conversion of creatine creatinine). hal failure. a causes false increase extinine ratio). with creatinine measu <u>N RATE:</u> <u>DESCRIPTION</u> mal kidney function dney damage with prmal or high GFR | han creatinine but of extracell blood). due to tubular e to creatinine) e in creatinine rement). GFR (mL/ | ular fluid). secretion of urea with certain meth <u>(min/1.73m2)</u> >90 >90 | hodologies,r ASSOCIA No p Presenc | esulting in no TED FINDINGS roteinuria e of Protein , or cast in urin | | vhen dehydr |
| 2. Certain drugs (e.g., NCREASED RATIO (>2 I. Postrenal azotemia 2. Prerenal azotemia DECREASED RATIO (<' I. Acute tubular necr 2. Low protein diet and 3. Severe liver diseas 4. Other causes of de 5. Repeated dialysis (r 6. Inherited hyperam 7. SIADH (syndrome of 3. Pregnancy. DECREASED RATIO (<' 1. Phenacimide thera 2. Rhabdomyolysis (r 3. Muscular patients NAPPROPIATE RATIO 4. Cephalosporin there ESTIMATED GLOMERI G1 G2 G3a G3b | tetracycline, glu 0:1) WITH ELEVA (BUN rises disp superimposed o 0:1) WITH DECR osis. Id starvation. 2. creased urea syr urea rather thar monemias (urea of inappropiate a 0:1) WITH INCRE py (accelerates of eleases muscle of who develop ref sis (acetoacetate creased BUN/crea apy (interferes v UAR FILTERATIO Nor Kin Mor | cocorticoids) TED CREATININE LEVE roportionately more to n renal disease. EASED BUN : Athesis. a creatinine diffuses of is virtually absent in ntidiuretic harmone) CASED CREATININE: conversion of creatine treatinine). hal failure. a causes false increase extinine ratio). vith creatinine measu V RATE: DESCRIPTION mal kidney function dney damage with | han creatinine but of extracell blood). due to tubular e to creatinine) e in creatinine rement). GFR (mL/ | ular fluid). secretion of urea with certain meth <u>(min/1.73m2)</u> >90 >90 >90 0 -89 30-59 | hodologies,r ASSOCIA No p Presenc | TED FINDINGS roteinuria e of Protein , | | vhen dehydr |
| P. Certain drugs (e.g., INCREASED RATIO (>2 1. Postrenal azotemia 2. Prerenal azotemia DECREASED RATIO (<' 1. Acute tubular necr 2. Low protein diet an 3. Severe liver diseas 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 there ESTIMATED GLOMERI G1 G2 | tetracycline, glu 0:1) WITH ELEVA (BUN rises disp superimposed o 0:1) WITH DECR osis. Id starvation. 2. creased urea syn urea rather thar monemias (urea f inappropiate a 0:1) WITH INCRE py (accelerates of eleases muscle of who develop ren- sis (acetoacetate creased BUN/creased apy (interferes with LAR FILTERATION Nor Kin Model | cocorticoids) TED CREATININE LEVE roportionately more to n renal disease. EASED BUN : The thesis. a creatinine diffuses of is virtually absent in ntidiuretic harmone) CASED CREATININE: conversion of creatine treatinine). hal failure. the causes false increase extinine ratio). with creatinine measure NATE: DESCRIPTION mal kidney function dney damage with ormal or high GFR Id decrease in GFR | han creatinine but of extracell blood). due to tubular e to creatinine) e in creatinine rement). GFR (mL/ | ular fluid). secretion of urea with certain meth <u>(min/1.73m2)</u> >90 >90 | hodologies,r ASSOCIA No p Presenc | TED FINDINGS roteinuria e of Protein , | | vhen dehydr |



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

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









| | Dr. Vinay Chopra MD (Pathology & Microbio Chairman & Consultant Pa | | (Pathology) |
|--------------------|---|--------------------------|-------------------------------|
| NAME | : Mrs. DALJIT KAUR | | |
| AGE/ GENDER | : 38 YRS/FEMALE | PATIENT ID | : 1684532 |
| COLLECTED BY | : | REG. NO./LAB NO. | : 012411280008 |
| REFERRED BY | : | REGISTRATION DATE | : 28/Nov/2024 09:18 AM |
| BARCODE NO. | : 01521581 | COLLECTION DATE | : 28/Nov/2024 09:24AM |
| CLIENT CODE. | : KOS DIAGNOSTIC LAB | REPORTING DATE | : 28/Nov/2024 11:50AM |
| CLIENT ADDRESS | : 6349/1, NICHOLSON ROAD, AMBALA | CANTT | |
| Test Name | Val | lue 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

KOS Diagnostic Lab (A Unit of KOS Healthcare)

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)







| | Dr. Vinay Cł MD (Pathology & Chairman & Cor | | Dr. Yugan MD CEO & Consultan | (Pathology) | |
|---|--|---|---|--|--|
| NAME | : Mrs. DALJIT KAUR | | | | |
| AGE/ GENDER | : 38 YRS/FEMALE | PA | TIENT ID | : 1684532 | |
| COLLECTED BY | : | RE | G. NO./LAB NO. | : 012411280008 | |
| REFERRED BY | | RE | GISTRATION DATE | : 28/Nov/2024 09:18 AM | |
| BARCODE NO. | : 01521581 | | LLECTION DATE | : 28/Nov/2024 09:24AM | |
| CLIENT CODE. | : KOS DIAGNOSTIC LAB | | PORTING DATE | : 28/Nov/2024 11:50AM | |
| | | | FURING DATE | . 20/ NOV/ 2024 11.50AW | |
| LIENT ADDRESS | : 6349/1, NICHOLSON ROAD, | , AMBALA CAN I I | | | |
| Test Name | | Value | Unit | Biological Reference interval | |
| INTERPRETATION:- | IESCENT MICROPARTICLE IMMUNOA | ASSAY) | | | |
| | SED VITAMIN B12 | 1 Drognanov | DECREASED VITAMI | N B12 | |
| 1.Ingestion of Vitam 2.Ingestion of Estroy | | 1.Pregnancy | pirin, Anti-convulsants | Colchicipe | |
| 3.Ingestion of Vitam | | 3.Ethanol Ig | | | |
| 4.Hepatocellular injury | | | 4. Contraceptive Harmones | | |
| 5.Myeloproliferativ | e disorder | | 5.Haemodialysis | | |
| 6.Uremia | | | 6. Multiple Myeloma | | |
| 2.In humans, it is obt 3.The body uses its v excreted. 4.Vitamin B12 deficie ileal resection, small | ency may be due to lack of IF sec intestinal diseases). | is and requires intrins cally, reabsorbing vita cretion by gastric muce | ic factor (IF) for absor min B12 from the ileur osa (eg, gastrectomy, ç | n and returning it to the liver; very little is gastric atrophy) or intestinal malabsorption (eg. | |
| proprioception, poor the neurologic defect 6.Serum methylmalo | coordination, and affective beh s without macrocytic anemia. nic acid and homocysteine level | navioral changes. Thes is are also elevated in | e manifestations may vitamin B12 deficiency | weakness, hyperreflexia, ataxia, loss of occur in any combination; many patients have y states. al cause of vitamin B12 malabsorption | |

KOS Diagnostic Lab

(A Unit of KOS Healthcare)

7. Follow-up testing for antibodies to intrinsic factor (IF) is recommended to identify this potential cause of vitamin B12 malabsorption. **NOTE:**A normal serum concentration of vitamin B12 does not rule out tissue deficiency of vitamin B12. The most sensitive test for vitamin B12 deficiency at the cellular level is the assay for MMA. If clinical symptoms suggest deficiency, measurement of MMA and homocysteine should be considered, even if serum vitamin B12 concentrations are normal.





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







| | Dr. Vinay Cho MD (Pathology & M Chairman & Consu | licrobiology) | Dr. Yugam MD D & Consultant | (Pathology) |
|--|--|-------------------------------------|-----------------------------------|-------------------------------|
| NAME | : Mrs. DALJIT KAUR | | | |
| AGE/ GENDER | : 38 YRS/FEMALE | PATIENT I | D | : 1684532 |
| COLLECTED BY | : | REG. NO./I | AB NO. | : 012411280008 |
| REFERRED BY | : | REGISTRA | FION DATE | : 28/Nov/2024 09:18 AM |
| BARCODE NO. | : 01521581 | COLLECTIO | ON DATE | : 28/Nov/2024 09:24AM |
| CLIENT CODE. | : KOS DIAGNOSTIC LAB | REPORTIN | G DATE | : 28/Nov/2024 11:50AM |
| CLIENT ADDRESS | : 6349/1, NICHOLSON ROAD, AM | MBALA CANTT | | |
| Test Name | | Value | Unit | Biological Reference interval |
| | | CLINICAL PATHOI TINE & MICROSCOP | | ATION |
| PHYSICAL EXAMIN | ATION | | | |
| QUANTITY RECIEVE | | 10 | ml | |
| by DIP STICK/REFLECT | ANCE SPECTROPHOTOMETRY | AMBER YELLOW | | PALE YELLOW |
| | ANCE SPECTROPHOTOMETRY | | | |
| TRANSPARANCY | ANCE SPECTROPHOTOMETRY | HAZY | | CLEAR |
| by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY SPECIFIC GRAVITY | | <=1.005 | | 1.002 - 1.030 |
| | ANCE SPECTROPHOTOMETRY | | | |
| <u>CHEMICAL EXAMIN</u> REACTION | NATION | ACIDIC | | |
| | ANCE SPECTROPHOTOMETRY | ACIDIC | | |
| PROTEIN | ANCE SPECTROPHOTOMETRY | Negative | | NEGATIVE (-ve) |
| SUGAR | ANCE SI LOTION HOTOMETRI | 3+ | | NEGATIVE (-ve) |
| | TANCE SPECTROPHOTOMETRY | <=5.0 | | 5.0 - 7.5 |
| pH by DIP STICK/REFLECT | ANCE SPECTROPHOTOMETRY | <=3.0 | | 5.0 - 7.5 |
| BILIRUBIN | ANCE SPECTROPHOTOMETRY | Negative | | NEGATIVE (-ve) |
| NITRITE | ANCE SPECTROPHOTOMETRY. | Negative | | NEGATIVE (-ve) |
| UROBILINOGEN | ANCE SPECTROPHOTOMETRY | Normal | EU/dL | 0.2 - 1.0 |
| KETONE BODIES | | Negative | | NEGATIVE (-ve) |
| by DIP STICK/REFLECT | ANCE SPECTROPHOTOMETRY | Nogativo | | NEGATIVE (-ve) |
| DLOOD | ANCE SPECTROPHOTOMETRY | Negative | | NEGATIVE (-VC) |
| ASCORBIC ACID | ANCE SPECTROPHOTOMETRY | NEGATIVE (-ve) | | NEGATIVE (-ve) |
| MICROSCOPIC EXA | | | | |
| RED BLOOD CELLS | | NEGATIVE (-ve) | /HPF | 0 - 3 |





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







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

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

| NAME | : Mrs. DALJIT KAUR | | | |
|---------------------------------|-----------------------------------|------------|--------------------------|-------------------------------|
| AGE/ GENDER | : 38 YRS/FEMALE | | PATIENT ID | : 1684532 |
| COLLECTED BY | : | | REG. NO./LAB NO. | : 012411280008 |
| REFERRED BY | : | | REGISTRATION DATE | : 28/Nov/2024 09:18 AM |
| BARCODE NO. | : 01521581 | | COLLECTION DATE | : 28/Nov/2024 09:24AM |
| CLIENT CODE. | : KOS DIAGNOSTIC LAB | | REPORTING DATE | : 28/Nov/2024 11:50AM |
| CLIENT ADDRESS | : 6349/1, NICHOLSON ROAD, AM | MBALA CANT | T | |
| Test Name | | Value | Unit | Biological Reference interval |
| PUS CELLS by MICROSCOPY ON C | CENTRIFUGED URINARY SEDIMENT | 1-2 | /HPF | 0 - 5 |
| EPITHELIAL CELLS | S CENTRIFUGED URINARY SEDIMENT | 2-4 | /HPF | ABSENT |

| by MICROSCOLL ON CENTRI OCED ORMART SEDIMENT | | |
|---|----------------|----------------|
| CRYSTALS | NEGATIVE (-ve) | NEGATIVE (-ve) |
| by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT | | |
| CASTS | NEGATIVE (-ve) | NEGATIVE (-ve) |
| 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) | ABSENT | ABSENT |

TRICHOMONAS VAGINALIS (PROTOZOA) by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT

*** End Of Report ***



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

