



| | Dr. Vinay Chopr MD (Pathology & Mic Chairman & Consulta | robiology) | MI | m Chopra D (Pathology) nt Pathologist |
|------------------------------------|--|-------------------|--------------------------|---|
| NAME | : Mrs. NISHTHA SACHDEVA | | | |
| AGE/ GENDER | : 32 YRS/FEMALE | | PATIENT ID | : 1563751 |
| COLLECTED BY | : SURJESH | | REG. NO./LAB NO. | : 012407290024 |
| REFERRED BY | : | | REGISTRATION DATE | : 29/Jul/2024 09:47 AM |
| BARCODE NO. | :01514046 | | COLLECTION DATE | : 29/Jul/2024 09:54AM |
| CLIENT CODE. | : KOS DIAGNOSTIC LAB | | REPORTING DATE | : 29/Jul/2024 10:16AM |
| CLIENT ADDRESS | : 6349/1, NICHOLSON ROAD, AMB | ALA CANT | Г | |
| Test Name | | Value | Unit | Biological Reference interval |
| | SWAS | THYA W | ELLNESS PANEL: 1.5 | j |
| | CON | | LOOD COUNT (CBC) | |
| RED BLOOD CELLS (F | RBCS) COUNT AND INDICES | | | |
| HAEMOGLOBIN (HB | | 12.5 | gm/dL | 12.0 - 16.0 |
| by CALORIMETRIC | | | | |
| RED BLOOD CELL (RE | SC) COUNT FOCUSING, ELECTRICAL IMPEDENCE | 5.33 ^H | Millions | s/cmm 3.50 - 5.00 |
| PACKED CELL VOLUN | | 39.7 | % | 37.0 - 50.0 |
| MEAN CORPUSCULA | AUTOMATED HEMATOLOGY ANALYZER R VOLUME (MCV) | 74.6 ^L | fL | 80.0 - 100.0 |
| by CALCULATED BY | AUTOMATED HEMATOLOGY ANALYZER | | | 27.0.24.0 |
| | AR HAEMOGLOBIN (MCH) AUTOMATED HEMATOLOGY ANALYZER | 23.4 ^L | pg | 27.0 - 34.0 |
| MEAN CORPUSCULA | R HEMOGLOBIN CONC. (MCHC) AUTOMATED HEMATOLOGY ANALYZER | 31.3 ^L | g/dL | 32.0 - 36.0 |
| | TION WIDTH (RDW-CV) | 15 | % | 11.00 - 16.00 |
| - | UTOMATED HEMATOLOGY ANALYZER | 41.0 | f | |
| | TON WIDTH (RDW-SD) | 41.9 | fL | 35.0 - 56.0 |
| MENTZERS INDEX | | 14 | RATIO | BETA THALASSEMIA TRAIT: < 13.0 |
| by CALCULATED GREEN & KING INDE | ·v | 20.95 | DATIO | IRON DEFICIENCY ANEMIA: >13.0 |
| by CALCULATED | | 20.95 | RATIO | BETA THALASSEMIA TRAIT: < = 65.0 |
| | | | | IRON DEFICIENCY ANEMIA: > 65.0 |
| WHITE BLOOD CELLS | | | | |
| TOTAL LEUCOCYTE C | OUNT (TLC) Y by sf cube & microscopy | 7140 | /cmm | 4000 - 11000 |
| NUCLEATED RED BLO | | NIL | | 0.00 - 20.00 |
| MICROSCOPY | OT OWATED TIEWATOLOG T AWALTZER & | | | |
| | DOD CELLS (nRBCS) % AUTOMATED HEMATOLOGY ANALYZER & | NIL | % | < 10 % |

DIFFERENTIAL LEUCOCYTE COUNT (DLC)



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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





Dr. Vinay Chopra

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

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| | | | | |
| Test Name | | Value | Unit | Biological Reference interval |
| NEUTROPHILS | | 62 | % | 50 - 70 |
| - | Y BY SF CUBE & MICROSCOPY | 20 | 0/ | 20 10 |
| LYMPHOCYTES by FLOW CYTOMETRY | Y BY SF CUBE & MICROSCOPY | 28 | % | 20 - 40 |
| EOSINOPHILS | | 5 | % | 1 - 6 |
| | Y BY SF CUBE & MICROSCOPY | | | |
| MONOCYTES | | 5 | % | 2 - 12 |
| BASOPHILS | Y BY SF CUBE & MICROSCOPY | 0 | % | 0 - 1 |
| | Y BY SF CUBE & MICROSCOPY | 0 | 70 | 0 - 1 |
| ABSOLUTE LEUKOCY | | | | |
| ABSOLUTE NEUTROF | PHIL COUNT | 4427 | /cmm | 2000 - 7500 |
| | Y BY SF CUBE & MICROSCOPY | | | |
| | CYTE COUNT Y BY SF CUBE & MICROSCOPY | 1999 | /cmm | 800 - 4900 |
| ABSOLUTE EOSINOP | | 357 | /cmm | 40 - 440 |
| | BY SF CUBE & MICROSCOPY | | | |
| ABSOLUTE MONOCY | | 357 | /cmm | 80 - 880 |
| | BY SF CUBE & MICROSCOPY | | 10000 | 0 110 |
| ABSOLUTE BASOPHII by FLOW CYTOMETRY | LUUNI Y BY SF CUBE & MICROSCOPY | 0 | /cmm | 0 - 110 |
| | IER PLATELET PREDICTIVE MARK | ERS. | | |
| PLATELET COUNT (PL | _T) | 375000 | /cmm | 150000 - 450000 |
| by HYDRO DYNAMIC F | OCUSING, ELECTRICAL IMPEDENCE | | | |
| PLATELETCRIT (PCT) | | 0.44 ^H | % | 0.10 - 0.36 |
| by hydro dynamic i Mean platelet voi | FOCUSING, ELECTRICAL IMPEDENCE | 12 | fL | 6.50 - 12.0 |
| | OCUSING, ELECTRICAL IMPEDENCE | 12 | IL. | 0.00 12.0 |
| PLATELET LARGE CEL | | 150000 ^H | /cmm | 30000 - 90000 |
| PLATELET LARGE CEL | L RATIO (P-LCR) | 40 | % | 11.0 - 45.0 |
| | | 15.0 | 0/ | 15.0.47.0 |
| PLATELET DISTRIBUT | ION WIDTH (PDW) | 15.9 | % | 15.0 - 17.0 |
| | | | | |



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| CLIENT CODE. | : KOS DIAGNOSTIC LAB | REPOR | TING DATE | : 29/Jul/2024 01:26PM |
| CLIENT ADDRESS | : 6349/1, NICHOLSON ROAD, | AMBALA CANTT | | |
| Test Name | | Value | Unit | Biological Reference interval |
| | GL | YCOSYLATED HAEMOG | LOBIN (HBA1C) | |
| GLYCOSYLATED HAEM | OGLOBIN (HbA1c): | 5.7 | % | 4.0 - 6.4 |
| WHOLE BLOOD | | | | |
| ESTIMATED AVERAGE F | MANCE LIQUID CHROMATOGRAPHY) PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) | 116.89 | mg/dL | 60.00 - 140.00 |
| | AS PER AMERICAN DIAE | BETES ASSOCIATION (ADA): | | |
| RE | FERENCE GROUP | GLYCOSYLATED H | EMOGLOGIB (HBAIC) i | in % |
| | etic Adults >= 18 years | | <5.7 | |
| | Risk (Prediabetes) | / | 5.7 – 6.4 | |
| Dia | gnosing Diabetes | | >= 6.5 | |
| | | • | > 19 Years | |
| There is | | Goals of Therapy: | < 7.0 | |
| inerapeutic | goals for glycemic control | Actions Suggested: | >8.0 | |

COMMENTS:

1.Glycosylated hemoglobin (HbA1c) test is three monthly monitoring done to assess compliace with therapeutic regimen in diabetic patients. 2.Since Hb1c reflects long term fluctuations in blood glucose concentration, a diabetic patient who has recently under good control may still have high concentration of

Goal of therapy:

Age < 19 Years

<7.5

HbAlc. Converse is true for a diabetic previously under good control but now poorly controlled. 3. Target goals of < 7.0 % may be beneficial in patients with short duration of diabetes, long life expectancy and no significant cardiovascular disease. In patients with significant complications of diabetes, limited life expectancy or extensive co-morbid conditions, targetting a goal of < 7.0% may not be

significant complications of diabetes, limited life expectancy or extensive co-morbid conditions, targetting a goal of < 7.0% may not be appropriate. 4.High

HbA1c (>9.0 -9.5 %) is strongly associated with risk of development and rapid progression of microvascular and nerve complications 5. Any condition that shorten RBC life span like acute blood loss, hemolytic anemia falsely lower HbA1c results.

6.HbA1c results from patients with HbSS,HbSC and HbD must be interpreted with caution, given the pathological processes including anemia, increased red cell turnover, and transfusion requirement that adversely impact HbA1c as a marker of long-term gycemic control.

7.Specimens from patients with polycythemia or post-splenctomy may exhibit increse in HbA1c values due to a somewhat longer life span of the red cells.





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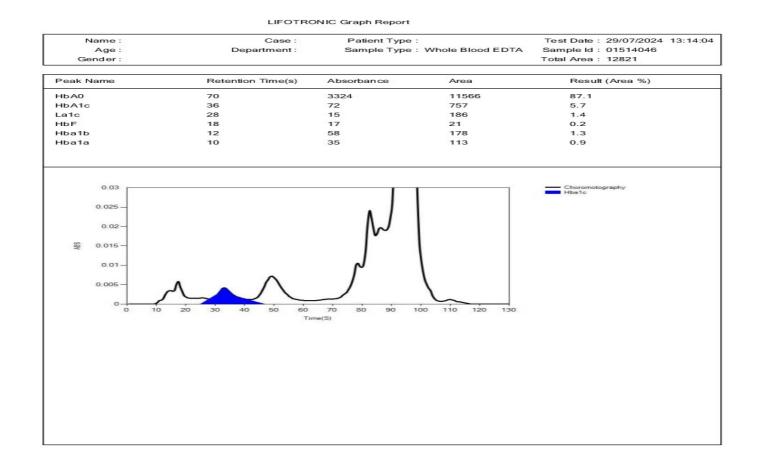


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| <u> </u> | | | | 7 |
| Test Name | | Value | Unit | Biological Reference interval |





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| CLIENT ADDRESS | : 6349/1, NICHOLSON ROAD, Al | Value Unit | Biological Reference interval |
| | ERYTH | ROCYTE SEDIMENTATION RATE (ES | SR) |
| | ENTATION RATE (ESR) GREN AUTOMATED METHOD | 31 ^H mm/1st | hr 0 - 20 |
| 1. ESR is a non-specific mmune disease, but d | ted by other conditions besides ir | nflammation. For this reason, the ESR is t | tion associated with infection, cancer and auto- ne body or what is causing it. ypically used in conjunction with other test such above diseases as well as some others, such as |
| | e used to monitor disease activity | y and response to therapy in both of the a | above diseases as well as some others, such as |

NOTE:

TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT

 ESR and C - reactive protein (C-RP) are both markers of inflammation.
 Generally, ESR does not change as rapidly as does CRP, either at the start of inflammation or as it resolves.
 CRP is not affected by as many other factors as is ESR, making it a better marker of inflammation. If the ESR is elevated, it is typically a result of two types of proteins, globulins or fibrinogen.
 Women tend to have a higher ESR, and menstruation and pregnancy can cause temporary elevations.
 Drugs such as dextran, methyldopa, oral contraceptives, penicillamine procainamide, theophylline, and vitamin A can increase ESR, while exprise contrace and quiping may decrease it. aspirin, cortisone, and quinine may decrease it





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| Test Name | | Value | Unit | Biological Reference interval |
| | CLINI | CAL CHEMISTRY | /BIOCHEMISTR | Y |
| | | GLUCOSE FAS | STING (F) | |
| GLUCOSE FASTING (by glucose oxidas | F): PLASMA e - peroxidase (god-pod) | 104.22 ^H | mg/dL | NORMAL: < 100.0 PREDIABETIC: 100.0 - 125.0 DIABETIC: > 0R = 126.0 |
| 1. A fasting plasma g | H AMERICAN DIABETES ASSOCIAT lucose level below 100 mg/dl is c lucose level between 100 - 125 m | onsidered normal. | glucose intolerant or | prediabetic. A fasting and post-prandial blood |

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.





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| ISO 9001 : 2008 CERT | IFIED LAB | | EXCELLENCE IN HEALTHCARE | & DIAGNOSTICS |
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| Test Name | | Value | Unit | Biological Reference interval |
| | | LIPID PRO | FILE : BASIC | |
| CHOLESTEROL TOTA | AL: SERUM | 154.89 | mg/dL | OPTIMAL: < 200.0 |
| by CHOLESTEROL 0) | | 134.07 | mg/ dE | BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR = 240.0 |
| TRIGLYCERIDES: SEI | | 160.31 ^H | mg/dL | OPTIMAL: < 150.0 |
| by GLYCEROL PHOS | PHATE OXIDASE (ENZYMATIC) | | | BORDERLINE HIGH: 150.0 - 199.0 HIGH: 200.0 - 499.0 |
| | | | | VERY HIGH: > OR = 500.0 |
| HDL CHOLESTEROL | (DIRECT): SERUM | 33.7 | mg/dL | LOW HDL: < 30.0 |
| by SELECTIVE INHIBIT | TION | | | BORDERLINE HIGH HDL: 30.0 - |
| | | | | 60.0 HIGH HDL: > OR = 60.0 |
| LDL CHOLESTEROL: | SERUM | 89.13 | mg/dL | OPTIMAL: < 100.0 |
| by CALCULATED, SPE | | | J | ABOVE OPTIMAL: 100.0 - 129.0 |
| | | | | BORDERLINE HIGH: 130.0 - 159.0 |
| | | | | HIGH: 160.0 - 189.0 VERY HIGH: > OR = 190.0 |
| NON HDL CHOLESTE | EROL: SERUM | 121.19 | mg/dL | OPTIMAL: < 130.0 |
| by CALCULATED, SPE | | | J. 1 | ABOVE OPTIMAL: 130.0 - 159.0 |
| | | | | BORDERLINE HIGH: 160.0 - 189.0 |
| | | | | HIGH: 190.0 - 219.0 VERY HIGH: > OR = 220.0 |
| VLDL CHOLESTEROL | : SERUM | 32.06 | mg/dL | 0.00 - 45.00 |
| by CALCULATED, SPE | ECTROPHOTOMETRY | | | |
| TOTAL LIPIDS: SERU | M ectrophotometry | 470.09 | mg/dL | 350.00 - 700.00 |
| CHOLESTEROL/HDL | RATIO: SERUM | 4.6 ^H | RATIO | LOW RISK: 3.30 - 4.40 |
| by CALCULATED, SP | ECTROPHOTOMETRY | | | AVERAGE RISK: 4.50 - 7.0 |
| | | | | MODERATE RISK: 7.10 - 11.0 HIGH RISK: > 11.0 |
| LDL/HDL RATIO: SEF | RIM | 2.64 | RATIO | LOW RISK: 0.50 - 3.0 |
| by CALCULATED, SPE | | | | MODERATE RISK: 3.10 - 6.0 |
| | | | | HIGH RISK: > 6.0 |
| | | | | |
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| TRIGLYCERIDES/HD | L RATIO: SERUM ECTROPHOTOMETRY | 4.76 | 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 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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| LIV | ER FUNCTION T | EST (COMPLETE) | |
|--|-------------------|----------------|---|
| BILIRUBIN TOTAL: SERUM by diazotization, spectrophotometry | 0.21 | mg/dL | INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20 |
| BILIRUBIN DIRECT (CONJUGATED): SERUM by DIAZO MODIFIED, SPECTROPHOTOMETRY | 0.14 | mg/dL | 0.00 - 0.40 |
| BILIRUBIN INDIRECT (UNCONJUGATED): SERUM by CALCULATED, SPECTROPHOTOMETRY | 0.07 ^L | mg/dL | 0.10 - 1.00 |
| SGOT/AST: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE | 17.35 | U/L | 7.00 - 45.00 |
| SGPT/ALT: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE | 31.14 | U/L | 0.00 - 49.00 |
| AST/ALT RATIO: SERUM by calculated, spectrophotometry | 0.56 | RATIO | 0.00 - 46.00 |
| ALKALINE PHOSPHATASE: SERUM by Para Nitrophenyl phosphatase by Amino Methyl PROPANOL | 98.75 | U/L | 40.0 - 130.0 |
| GAMMA GLUTAMYL TRANSFERASE (GGT): SERUM by szasz, spectrophtometry | 23.49 | U/L | 0.00 - 55.0 |
| TOTAL PROTEINS: SERUM by biuret, spectrophotometry | 7.09 | gm/dL | 6.20 - 8.00 |
| ALBUMIN: SERUM by bromocresol green | 3.88 | gm/dL | 3.50 - 5.50 |
| GLOBULIN: SERUM by CALCULATED, SPECTROPHOTOMETRY | 3.21 | gm/dL | 2.30 - 3.50 |
| A : G RATIO: SERUM by calculated, spectrophotometry | 1.21 | RATIO | 1.00 - 2.00 |

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:

| DRUG HEPATOTOXICITY | > 2 |
|--|----------------------------|
| ALCOHOLIC HEPATITIS | > 2 (Highly Suggestive) |
| CIRRHOSIS | 1.4 - 2.0 |
| INTRAHEPATIC CHOLESTATIS | > 1.5 |
| HEPATOCELLULAR CARCINOMA & CHRONIC HEPATITIS | > 1.3 (Slightly Increased) |





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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

NAME

AGE/ GENDER

COLLECTED BY

REFERRED BY

BARCODE NO.

CLIENT CODE.

Test Name





| | Dr. Vinay Cho MD (Pathology & M Chairman & Consu | Microbiology) MI | m Chopra D (Pathology) nt Pathologist |
|--------------------|--|--------------------------|---|
| NAME | : Mrs. NISHTHA SACHDEVA | | |
| AGE/ GENDER | : 32 YRS/FEMALE | PATIENT ID | : 1563751 |
| COLLECTED BY | : SURJESH | REG. NO./LAB NO. | : 012407290024 |
| REFERRED BY | : | REGISTRATION DATE | : 29/Jul/2024 09:47 AM |
| BARCODE NO. | :01514046 | COLLECTION DATE | : 29/Jul/2024 09:54AM |
| CLIENT CODE. | : KOS DIAGNOSTIC LAB | REPORTING DATE | : 29/Jul/2024 11:13AM |
| CLIENT ADDRESS | : 6349/1, NICHOLSON ROAD, A | MBALA CANTT | |
| | | | |
| Test Name | | Value Unit | Biological Reference interval |

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 |
| | 1.2 1.0 |



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| | Dr. Vinay Ch MD (Pathology & Chairman & Cor | | Dr. Yugam MD CEO & Consultant | (Pathology) |
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| Test Name | | Value | Unit | Biological Reference interval |
| | кі | DNEY FUNCTION 1 | TEST (COMPLETE) | |
| UREA: SERUM | | 19.39 | mg/dL | 10.00 - 50.00 |
| - | ATE DEHYDROGENASE (GLDH) | | | |
| CREATININE: SERUN by ENZYMATIC, SPEC | | 0.88 | mg/dL | 0.40 - 1.20 |
| BLOOD UREA NITRO | GEN (BUN): SERUM | 9.06 | mg/dL | 7.0 - 25.0 |
| by CALCULATED, SPE | | 10.2 | DATIO | 10.0 |
| RATIO: SERUM | GEN (BUN)/CREATININE | 10.3 | RATIO | 10.0 - 20.0 |
| by CALCULATED, SPE | CTROPHOTOMETRY | | | |
| UREA/CREATININE R | | 22.03 | RATIO | |
| by CALCULATED, SPE URIC ACID: SERUM | CIROPHOTOMETRY | 5.8 | mg/dL | 2.50 - 6.80 |
| by URICASE - OXIDAS | E PEROXIDASE | | | |
| CALCIUM: SERUM by ARSENAZO III, SPE | CTRORUCTOMETRY | 9.93 | mg/dL | 8.50 - 10.60 |
| PHOSPHOROUS: SER | | 4.18 | mg/dL | 2.30 - 4.70 |
| by PHOSPHOMOLYBD | DATE, SPECTROPHOTOMETRY | | <u>J</u> | |
| ELECTROLYTES | | | | |
| SODIUM: SERUM by ISE (ION SELECTIV | | 139.6 | mmol/L | 135.0 - 150.0 |
| POTASSIUM: SERUM | | 3.98 | mmol/L | 3.50 - 5.00 |
| by ISE (ION SELECTIV | | | | |
| CHLORIDE: SERUM | | 104.7 | mmol/L | 90.0 - 110.0 |
| , , | RULAR FILTERATION RATE | | | |
| | RULAR FILTERATION RATE | 89.5 | | |

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 Name | | Value Uni | t Biolog | gical Reference interval |
| 8. Reduced muscle m 9. Certain drugs (e.g. INCREASED RATIO (>2 1. Postrenal azotemia 2. Prerenal azotemia | superimposed on renal disease. | | uropathy). | |
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| Reduced muscle m Certain drugs (e.g. NCREASED RATIO (>2 Postrenal azotemia Perenal azotemia Perenal azotemia Acute tubular necr Low protein diet ar Severe liver disease Other causes of de Repeated dialysis (SIADH (syndrome of SIADH (syndrome of Regnancy. Pregnancy. PecREASED RATIO (<1 Phenacimide thera Rhabdomyolysis (r Muscular patients NAPPROPIATE RATIO Diabetic ketoacido cephalosporin ther STIMATED GLOMERL CKD STAGE | (e.g. ureter colostomy) ass (subnormal creatinine product tetracycline, glucocorticoids) (b:1) WITH ELEVATED CREATININE Li a (BUN rises disproportionately moi superimposed on renal disease. (0:1) WITH DECREASED BUN : osis. nd starvation. e. creased urea synthesis. furea rather than creatinine diffuse monemias (urea is virtually absent of inappropiate antidiuretic harmor (0:1) WITH INCREASED CREATININE: py (accelerates conversion of creat eleases muscle creatinine). who develop renal failure. : sis (acetoacetate causes false increat creased BUN/creatinine ratio). apy (interferes with creatinine meat <u>LAR FILTERATION RATE: DESCRIPTION Normal kidney function Kidney damage with</u> | EVELS: re than creatinine) (e.g. obstructive es out of extracellular fluid). tin blood). he) due to tubular secretion of urea. tine to creatinine). ease in creatinine with certain methasurement). GFR (mL/min/1.73m2) yn >90 | nodologies,resulting in n ASSOCIATED FINDING No proteinuria Presence of Protein | 3S |
| Reduced muscle m Certain drugs (e.g. NCREASED RATIO (>2 Postrenal azotemia Perenal azotemia Perenal azotemia DECREASED RATIO (<1 Acute tubular necr Low protein diet ar Severe liver disease Other causes of de Repeated dialysis (SIADH (syndrome c Pregnancy. DECREASED RATIO (<1 Phenacimide thera Rabdomyolysis (r Muscular patients NAPPROPIATE RATIO Diabetic ketoacido Should produce an in Cephalosporin ther ESTIMATED GLOMERL G1 G2 | (e.g. ureter colostomy) ass (subnormal creatinine product tetracycline, glucocorticoids) (b:1) WITH ELEVATED CREATININE Li a (BUN rises disproportionately moi superimposed on renal disease. (0:1) WITH DECREASED BUN : osis. nd starvation. e. creased urea synthesis. furea rather than creatinine diffuse monemias (urea is virtually absent of inappropiate antidiuretic harmor (0:1) WITH INCREASED CREATININE: py (accelerates conversion of creat eleases muscle creatinine). who develop renal failure. : sis (acetoacetate causes false increat creased BUN/creatinine ratio). apy (interferes with creatinine meat JLAR FILTERATION RATE: DESCRIPTION Normal kidney function Kidney damage with normal or high GFR | EVELS: re than creatinine) (e.g. obstructive es out of extracellular fluid). tin blood). he) due to tubular secretion of urea. tine to creatinine). ease in creatinine with certain methasurement). Image: Secret construction of urea. 90 >90 | nodologies,resulting in n ASSOCIATED FINDING | 3S |
| B. Reduced muscle m Certain drugs (e.g. NCREASED RATIO (>2 Postrenal azotemia Prerenal azotemia DECREASED RATIO (<1 Acute tubular necr Low protein diet ar Severe liver disease Other causes of de Repeated dialysis (Inherited hyperam SIADH (syndrome of Pregnancy. DECREASED RATIO (<1 Nuscular patients NAPPROPIATE RATIO Diabetic ketoacido hould produce an in CEphalosporin ther STIMATED GLOMERL G1 G2 G3a | (e.g. ureter colostomy) ass (subnormal creatinine product tetracycline, glucocorticoids) 10:1) WITH ELEVATED CREATININE Li a (BUN rises disproportionately moi superimposed on renal disease. 10:1) WITH DECREASED BUN : osis. nd starvation. e. creased urea synthesis. furea rather than creatinine diffuse monemias (urea is virtually absent of inappropiate antidiuretic harmor 10:1) WITH INCREASED CREATININE: py (accelerates conversion of creat eleases muscle creatinine). who develop renal failure. : sis (acetoacetate causes false increat creased BUN/creatinine ratio). apy (interferes with creatinine mea- JLAR FILTERATION RATE: DESCRIPTION Normal kidney function Kidney damage with normal or high GFR Mild decrease in GFR | EVELS: re than creatinine) (e.g. obstructive es out of extracellular fluid). tin blood). he) due to tubular secretion of urea. tine to creatinine). ease in creatinine with certain methasurement). Image: Secret construction of urea. 0 6FR (mL/min/1.73m2) 0 >90 0 60 - 89 | nodologies,resulting in n ASSOCIATED FINDING No proteinuria Presence of Protein | 3S |
| 8. Reduced muscle m 9. Certain drugs (e.g. INCREASED RATIO (>2 1. Postrenal azotemia 2. Prerenal azotemia DECREASED RATIO (<1 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 c 8. Pregnancy. DECREASED RATIO (<1 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 G1 G2 | (e.g. ureter colostomy) ass (subnormal creatinine product tetracycline, glucocorticoids) (b:1) WITH ELEVATED CREATININE Li a (BUN rises disproportionately moi superimposed on renal disease. (0:1) WITH DECREASED BUN : osis. nd starvation. e. creased urea synthesis. furea rather than creatinine diffuse monemias (urea is virtually absent of inappropiate antidiuretic harmor (0:1) WITH INCREASED CREATININE: py (accelerates conversion of creat eleases muscle creatinine). who develop renal failure. : sis (acetoacetate causes false increat creased BUN/creatinine ratio). apy (interferes with creatinine meat JLAR FILTERATION RATE: DESCRIPTION Normal kidney function Kidney damage with normal or high GFR | EVELS: re than creatinine) (e.g. obstructive es out of extracellular fluid). : in blood). ne) due to tubular secretion of urea. : tine to creatinine). ease in creatinine). ease in creatinine with certain methasurement). in >90 >90 : 60 -89 : 30-59 | nodologies,resulting in n ASSOCIATED FINDING No proteinuria Presence of Protein | 3S |

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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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| Test Name | | Value | Unit | Biological Reference interval |
| | | IRON PRO | FILE | |
| IRON: SERUM | TROPHOTOMETRY | 50.5 | μg/dL | 37.0 - 145.0 |
| UNSATURATED IRON SERUM by FERROZINE, SPEC | N BINDING CAPACITY (UIBC) | 326.79 | μg/dL | 150.0 - 336.0 |
| TOTAL IRON BINDIN SERUM | | 377.29 | μg/dL | 230 - 430 |
| %TRANSFERRIN SAT | | 13.38 ^L | % | 15.0 - 50.0 |
| TRANSFERRIN: SERL by SPECTROPHOTOM | JM | 267.88 | mg/dL | 200.0 - 350.0 |

INTERPRETATION:-

| VARIABLES | ANEMIA OF CHRONIC DISEASE | IRON DEFICIENCY ANEMIA | THALASSEMIA α/β TRAIT |
|------------------------------|---------------------------|------------------------|-----------------------|
| SERUM IRON: | Normal to Reduced | Reduced | Normal |
| TOTAL IRON BINDING CAPACITY: | Decreased | Increased | Normal |
| % TRANSFERRIN SATURATION: | Decreased | Decreased < 12-15 % | Normal |
| SERUM FERRITIN: | Normal to Increased | Decreased | Normal or Increased |

IRON:

1.Serum iron studies is recommended for differential diagnosis of microcytic hypochromic anemia.i.e iron deficiency anemia, zinc deficiency anemia, anemia of chronic disease and thalassemia syndromes. 2. It is essential to isolate iron deficiency anemia from Beta thalassemia syndromes because during iron replacement which is therapeutic for

iron deficiency anemia, is severely contra-indicated in Thalassemia. TOTAL IRON BINDING CAPACITY (TIBC):

1. It is a direct measure of protein transferrin which transports iron from the gut to storage sites in the bone marrow.

% TRANSFERRIN SATURATION:

1. Occurs in idiopathic hemochromatosis and transfusional hemosiderosis where no unsaturated iron binding capacity is available for iron mobilization. Similar condition is seen in congenital deficiency of transferrin.





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| Test Name | | Value | Unit | Biological Reference interval |
| | | ENDOCRINO | | |
| | | ENDOCKINC | JLUGY | |
| | Tł | HYROID FUNCTION | | |
| | E (T3): SERUM | HYROID FUNCTION 0.758 | | 0.35 - 1.93 |
| by CMIA (CHEMILUMI | E (T3): SERUM NESCENT MICROPARTICLE IMMUNOASS | HYROID FUNCTION 0.758 SAY) | I TEST: TOTAL ng/mL | |
| THYROXINE (T4): SE | E (T3): SERUM <i>NESCENT MICROPARTICLE IMMUNOAS</i> RUM | HYROID FUNCTION 0.758 SAY) 5.01 | I TEST: TOTAL | 0.35 - 1.93 4.87 - 12.60 |
| by CMIA (CHEMILUMII THYROXINE (T4): SE by CMIA (CHEMILUMII | E (T3): SERUM NESCENT MICROPARTICLE IMMUNOAS RUM NESCENT MICROPARTICLE IMMUNOAS | HYROID FUNCTION 0.758 SAY) 5.01 SAY) | I TEST: TOTAL ng/mL μgm/dL | 4.87 - 12.60 |
| by CMIA (CHEMILUMI THYROXINE (T4): SE by CMIA (CHEMILUMI THYROID STIMULAT | E (T3): SERUM <i>NESCENT MICROPARTICLE IMMUNOAS</i> RUM | HYROID FUNCTION 0.758 SAY) 5.01 SAY) 1.956 | I TEST: TOTAL ng/mL | |
| by CMIA (CHEMILUMI THYROXINE (T4): SE by CMIA (CHEMILUMI THYROID STIMULAT | E (T3): SERUM NESCENT MICROPARTICLE IMMUNOASS RUM NESCENT MICROPARTICLE IMMUNOASS TING HORMONE (TSH): SERUM NESCENT MICROPARTICLE IMMUNOASS | HYROID FUNCTION 0.758 SAY) 5.01 SAY) 1.956 | I TEST: TOTAL ng/mL μgm/dL | 4.87 - 12.60 |

overproduction(hyperthyroidism) of T4 and/or T3.

| 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 (eg: phenytoin , salicylates).

3. Serum T4 levies 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 hypothroidism, pregnancy, phenytoin therapy.

| TRIIODOTH | (RONINE (T3) | THYROXINE (T4) | | THYROID STIMU | ATING HORMONE (TSH) |
|-------------------|-----------------------------|-------------------|-----------------------------|-------------------|------------------------------|
| Age | Refferance Range (ng/mL) | Age | Refferance Range (μg/dL) | Age | Reference Range (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 |





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| NAME | : Mrs. NISHTHA SACHDEVA | | |
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| COLLECTED BY | : SURJESH R | REG. NO./LAB NO. | : 012407290024 |
| REFERRED BY | : R | REGISTRATION DATE | : 29/Jul/2024 09:47 AM |
| BARCODE NO. | : 01514046 C | COLLECTION DATE | : 29/Jul/2024 09:54AM |
| CLIENT CODE. | : KOS DIAGNOSTIC LAB | REPORTING DATE | : 29/Jul/2024 11:13AM |
| CLIENT ADDRESS | : 6349/1, NICHOLSON ROAD, AMBALA CANTT | | |
| | Webus | 1114 | |
| Test Name | : 6349/1, NICHOLSON ROAD, AMBALA CANTT | Unit | Biological Reference interval |

| | 6 – 12 Months | 0.70 - 7.00 | |
|-------------------|---------------------|-------------|----------------------------|
| 6.00 - 13.80 | 4 40 % | | |
| | 1 – 10 Years | 0.60 - 5.50 | 1 |
| 4.87- 13.20 | 11 – 19 Years | 0.50 - 5.50 | 1 |
| 4.87 - 12.60 | > 20 Years (Adults) | 0.35- 5.50 | - |
| ELS DURING PREGNA | NCY (µIU/mL) | | 7 |
| | 0.10 - 2.50 | | 1 |
| | 0.20 - 3.00 | | 1 |
| | 0.30 - 4.10 | | 7 |
| | ELS DURING PREGNA | 0.20 - 3.00 | 0.10 - 2.50 0.20 - 3.00 |

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.

3.Hashimotos thyroiditis

4.DRUGS: Amphetamines, idonie 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 goitre & Thyroiditis.

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

3. Autonomously functioning Thyroid adenoma

4.Secondary pituatary or hypothalmic 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)







| | | & Microbiology) nsultant Pathologist | MD CEO & Consultant | (Pathology) Pathologist |
|----------------|--------------------------|---|------------------------|-------------------------------|
| NAME | : Mrs. NISHTHA SACHDEVA | | | |
| AGE/ GENDER | : 32 YRS/FEMALE | PATI | ENT ID | : 1563751 |
| COLLECTED BY | : SURJESH | REG. | NO./LAB NO. | : 012407290024 |
| REFERRED BY | : | REGI | STRATION DATE | : 29/Jul/2024 09:47 AM |
| BARCODE NO. | : 01514046 | COLI | ECTION DATE | : 29/Jul/2024 09:54AM |
| CLIENT CODE. | : KOS DIAGNOSTIC LAB | REPO | DRTING DATE | : 29/Jul/2024 11:13AM |
| CLIENT ADDRESS | : 6349/1, NICHOLSON ROAD | , AMBALA CANTT | | |
| | | | | |
| Test Name | | Value | Unit | Biological Reference interval |
| Test Name | IN | Value IMUNOPATHOLO | | Biological Reference interval |
| Test Name | IN | | GY/SEROLOGY | Biological Reference interval |

KOS Diagnostic Lab

(A Unit of KOS Healthcare)

ss activity of inflammatory disease, to detect infections after surgery, to detect transplant uantitativ rejection, and to monitor these inflammatory processes.

4. As compared to ESR, CRP shows an earlier rise in inflammatory disorders which begins in 4-6 hrs, the intensity of the rise being higher than ESR and the recovery being earlier than ESR. Unlike ESR, CRP levels are not influenced by hematologic conditions like Anemia, Polycythemia etc., 5. Elevated values are consistent with an acute inflammatory process. NOTE:

1. Elevated C-reactive protein (CRP) values are nonspecific and should not be interpreted without a complete clinical history. 2. Oral contraceptives may increase CRP levels.





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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



| | Dr. Vinay Ch MD (Pathology & Chairman & Cor | | Dr. Yugam MD CEO & Consultant | (Pathology) |
|--|---|--|---|---|
| NAME AGE/ GENDER | : Mrs. NISHTHA SACHDEVA : 32 YRS/FEMALE | | ENT ID | : 1563751 |
| COLLECTED BY REFERRED BY BARCODE NO. | : SURJESH : : 01514046 | REG | NO./LAB NO. STRATION DATE .ECTION DATE | : 012407290024 : 29/Jul/2024 09:47 AM : 29/Jul/2024 09:54AM |
| CLIENT CODE. CLIENT ADDRESS | : KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAD, | REP | DRTING DATE | : 29/Jul/2024 11:13AM |
| Test Name | | Value | Unit | Biological Reference interval |
| | VIT ROXY VITAMIN D3): SERUM NESCENCE IMMUNOASSAY) | VITAMI FAMIN D/25 HYDRO 11.4 ^L | | DEFICIENCY: < 20.0 INSUFFICIENCY: 20.0 - 30.0 SUFFICIENCY: 30.0 - 100.0 TOXICITY: > 100.0 |
| NTERPRETATION: | CIENT: | < 20 | n | j/mL |
| | FICIENT: | 21 - 29 | | g/mL |
| PREFFERE | D RANGE: | 30 - 100 > 100 | | g/mL g/mL |
| 2.25-OHVitamin D re- tissue and tightly bou 3.Vitamin D plays a p phosphate reabsorpt 4.Severe deficiency n DECREASED: 1.Lack of sunshine ex 2.Inadeguate intake, 3.Depressed Hepatic 4.Secondary to advar 5.Osteoporosis and S 6.Enzyme Inducing dr INCREASED: 1. Hypervitaminosis E severe hypercalcemia CAUTION : Replaceme hypervitaminosis D | und by a transport protein while rimary role in the maintenance ion, skeletal calcium deposition hay lead to failure to mineralize posure. malabsorption (celiac disease) Vitamin D 25- hydroxylase activ need Liver disease econdary Hyperparathroidism (I rugs: anti-epileptic drugs like ph D is Rare, and is seen only after p a and hyperphophatemia. int therapy in deficient individual individuals as compare to whites, | ir and transport form o a in circulation. of calcium homeostatis , calcium mobilization, newly formed osteoid i ity Mild to Moderate defic enytoin, phenobarbital prolonged exposure to e ils must be monitored b | ^F Vitamin D and transp s. It promotes calciun mainly regulated by p n bone, resulting in r ency) and carbamazepine, r extremely high doses y periodic assessmen | port form of Vitamin D, being stored in adipose in absorption, renal calcium absorption and parathyroid harmone (PTH). ickets in children and osteomalacia in adults. that increases Vitamin D metabolism. of Vitamin D. When it occurs, it can result in it of Vitamin D levels in order to prevent <i>iency due to excess of melanin pigment which</i> |
| | | | | |





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| | Dr. Vinay Ch MD (Pathology & Chairman & Cor | | Dr. Yugam MD CEO & Consultant | (Pathology) | | |
|--|--|---|-------------------------------------|--|--|--|
| NAME | : Mrs. NISHTHA SACHDEVA | | | | | |
| AGE/ GENDER | : 32 YRS/FEMALE | PAT | IENT ID | : 1563751 | | |
| COLLECTED BY | : SURJESH | REG | NO./LAB NO. | : 012407290024 | | |
| REFERRED BY | • | RFG | ISTRATION DATE | : 29/Jul/2024 09:47 AM | | |
| BARCODE NO. | : 01514046 | | LECTION DATE | : 29/Jul/2024 09:54AM | | |
| | | | | | | |
| CLIENT CODE. | : KOS DIAGNOSTIC LAB | | ORTING DATE | : 29/Jul/2024 11:41AM | | |
| CLIENT ADDRESS | : 6349/1, NICHOLSON ROAD, | AMBALA CANTT | | | | |
| Test Name | | Value | Unit | Biological Reference interval | | |
| INTERPRETATION:- | IESCENT MICROPARTICLE IMMUNOA | | DECREASED VITAMIN | N B12 | | |
| 1.Ingestion of Vitamin C | | 1.Pregnancy | | | | |
| 2.Ingestion of Estro | | 2.DRUGS:Aspirin, Anti-convulsants, Colchicine | | | | |
| 3.Ingestion of Vitamin A | | 3.Ethanol Igestion | | | | |
| 4.Hepatocellular injury | | 4. Contraceptive Harmones | | | | |
| 5.Myeloproliferative disorder | | | 5.Haemodialysis | | | |
| 6.Uremia 1.Vitamin B12 (cobalamin) is necessary for hematopoiesis | | | 6. Multiple Myeloma | | | |
| | tained only from animal protein: | | | otion. | | |
| 3. The body uses its v | | | | n and returning it to the liver; very little is | | |
| excreted. | now may be due to look of IF and | ration by gastria muses | a lag gastraatamy g | actric strenky) or intestinal malabaaration (og | | |
| | ency may be due to lack of IF sec l intestinal diseases). | retion by gastric mucos | sa (eg, gastrectomy, g | astric atrophy) or intestinal malabsorption (eg, | | |
| 5.Vitamin B12 deficie | ency frequently causes macrocyl | | | weakness, hyperreflexia, ataxia, loss of | | |
| proprioception, poor | coordination, and affective beh | avioral changes. These | manifestations may o | occur in any combination; many patients have | | |
| | ts without macrocytic anemia. nic acid and homocysteine level | s are also elevated in vi | itamin B12 deficiency | states | | |
| | | | | al 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 does not rule out tissue deficiency of vitamin B12. The most sensitive test for vitamin B12 does not rule out tissue deficiency, measurement of MMA and homocysteine should be considered, even if serum vitamin B12 concentrations are normal.





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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



| | Dr. Vinay Ch MD (Pathology & Chairman & Cons | Microbiology) | Dr. Yugam MD CEO & Consultant | (Pathology) |
|---|---|--|--|--|
| NAME AGE/ GENDER COLLECTED BY REFERRED BY BARCODE NO. CLIENT CODE. CLIENT ADDRESS | : Mrs. NISHTHA SACHDEVA : 32 YRS/FEMALE : SURJESH : : 01514046 : KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAD, 4 | REGISTI COLLECT REPORT | F ID ./LAB NO. RATION DATE FION DATE TING DATE | : 1563751 : 012407290024 : 29/Jul/2024 09:47 AM : 29/Jul/2024 09:54AM : 29/Jul/2024 10:33AM |
| Test Name | | Value | Unit | Biological Reference interval |
| PHYSICAL EXAMINA | | CLINICAL PATHO | | TION |
| COLOUR by DIP STICK/REFLEC TRANSPARANCY by DIP STICK/REFLEC SPECIFIC GRAVITY | TANCE SPECTROPHOTOMETRY TANCE SPECTROPHOTOMETRY TANCE SPECTROPHOTOMETRY | 10 PALE YELLOW HAZY 1.02 | ml | PALE YELLOW CLEAR 1.002 - 1.030 |
| PROTEIN by DIP STICK/REFLEC SUGAR by DIP STICK/REFLEC pH | TANCE SPECTROPHOTOMETRY TANCE SPECTROPHOTOMETRY TANCE SPECTROPHOTOMETRY | ACIDIC Negative Negative 5.5 | | NEGATIVE (-ve) NEGATIVE (-ve) 5.0 - 7.5 NEGATIVE (-ve) |
| by DIP STICK/REFLEC NITRITE by DIP STICK/REFLEC UROBILINOGEN by DIP STICK/REFLEC KETONE BODIES | TANCE SPECTROPHOTOMETRY TANCE SPECTROPHOTOMETRY TANCE SPECTROPHOTOMETRY | Negative Negative Normal Negative | EU/dL | NEGATIVE (-ve) 0.2 - 1.0 NEGATIVE (-ve) |
| BLOOD by DIP STICK/REFLEC ASCORBIC ACID | TANCE SPECTROPHOTOMETRY | TRACE NEGATIVE (-ve) | | NEGATIVE (-ve) NEGATIVE (-ve) |

MICROSCOPIC EXAMINATION



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

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



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

| NAME | : Mrs. NISHTHA SACHDEVA | | | | | | |
|---|--|--|------|---|--|--|--|
| AGE/ GENDER | : 32 YRS/FEMALE | PATIENT ID REG. NO./LAB NO. REGISTRATION DATE COLLECTION DATE REPORTING DATE | | : 1563751 : 012407290024 : 29/Jul/2024 09:47 AM : 29/Jul/2024 09:54AM : 29/Jul/2024 10:33AM | | | |
| COLLECTED BY | : SURJESH | | | | | | |
| REFERRED BY | : : 01514046 | | | | | | |
| BARCODE NO. | | | | | | | |
| CLIENT CODE. | : KOS DIAGNOSTIC LAB | | | | | | |
| CLIENT ADDRESS | LIENT ADDRESS : 6349/1, NICHOLSON ROAD, AMBALA CANTT | | | | | | |
| Test Name | | Value | Unit | Biological Reference interval | | | |
| RED BLOOD CELLS (RBCs) by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT | | 3-4 | /HPF | 0 - 3 | | | |
| PUS CELLS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT | | 6-8 | /HPF | 0 - 5 | | | |
| EPITHELIAL CELLS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT | | 2-4 | /HPF | ABSENT | | | |
| CRYSTALS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT | | NEGATIVE (-ve) | | NEGATIVE (-ve) | | | |
| CASTS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT | | NEGATIVE (-ve) | | NEGATIVE (-ve) | | | |
| BACTERIA by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT | | NEGATIVE (-ve) | | NEGATIVE (-ve) | | | |
| 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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