



| | Dr. Vinay Cho MD (Pathology & Chairman & Cons | Microbiology) | | (Pathology) |
|---------------------------------------|---|-----------------|--------------------------|--------------------------------|
| NAME | : Mrs. HARITA | | | |
| AGE/ GENDER | : 47 YRS/FEMALE | | PATIENT ID | : 1585182 |
| COLLECTED BY | : SURJESH | | REG. NO./LAB NO. | : 012408200016 |
| REFERRED BY | : | | REGISTRATION DATE | : 20/Aug/2024 08:37 AM |
| BARCODE NO. | :01515344 | | COLLECTION DATE | : 20/Aug/2024 09:02AM |
| CLIENT CODE. | : KOS DIAGNOSTIC LAB | | REPORTING DATE | : 20/Aug/2024 09:37AM |
| CLIENT ADDRESS | : 6349/1, NICHOLSON ROAD, A | AMBALA CANTT | | |
| Test Name | | Value | Unit | Biological Reference interval |
| | SW | ASTHYA WE | LLNESS PANEL: 1.5 | |
| | C | OMPLETE BL | OOD COUNT (CBC) | |
| RED BLOOD CELLS (I | RBCS) COUNT AND INDICES | | | |
| HAEMOGLOBIN (HB | | 13.5 | gm/dL | 12.0 - 16.0 |
| by CALORIMETRIC | | | Ŭ | |
| RED BLOOD CELL (RI | BC) COUNT FOCUSING, ELECTRICAL IMPEDENCE | 4.69 | Millions/ci | mm 3.50 - 5.00 |
| PACKED CELL VOLUM | VIE (PCV) | 41.7 | % | 37.0 - 50.0 |
| by CALCULATED BY A MEAN CORPUSCULA | AUTOMATED HEMATOLOGY ANALYZE | R 88.9 | fL | 80.0 - 100.0 |
| | AUTOMATED HEMATOLOGY ANALYZE | | IL I | 00.0 - 100.0 |
| | AR HAEMOGLOBIN (MCH) AUTOMATED HEMATOLOGY ANALYZE | 28.9 | pg | 27.0 - 34.0 |
| MEAN CORPUSCULA | R HEMOGLOBIN CONC. (MCHC) | 32.5 | g/dL | 32.0 - 36.0 |
| | a <i>utomated hematology analyze</i> FION WIDTH (RDW-CV) | R 12.6 | % | 11.00 - 16.00 |
| | AUTOMATED HEMATOLOGY ANALYZE | | 70 | 11.00 - 10.00 |
| | FION WIDTH (RDW-SD) AUTOMATED HEMATOLOGY ANALYZE | 42 | fL | 35.0 - 56.0 |
| MENTZERS INDEX | AUTOMATED HEMATOLOGY ANALYZE | 18.96 | RATIO | BETA THALASSEMIA TRAIT: < 13.0 |
| by CALCULATED | | | | IRON DEFICIENCY ANEMIA: >13.0 |
| GREEN & KING INDE | EX | 23.98 | RATIO | BETA THALASSEMIA TRAIT:<= 65.0 |
| WHITE BLOOD CELL | s (WBCS) | | | IRON DEFICIENCY ANEMIA: > 65.0 |
| TOTAL LEUCOCYTE (| | 6310 | /cmm | 4000 - 11000 |
| by FLOW CYTOMETR | Y BY SF CUBE & MICROSCOPY | | / on int | |
| NUCLEATED RED BL | OOD CELLS (nRBCS) <i>rt hematology analyzer</i> | NIL | | 0.00 - 20.00 |
| | OOD CELLS (nRBCS) % | NIL | % | < 10 % |
| by CALCULATED BY A | AUTOMATED HEMATOLOGY ANALYZE | | | |
| DIFFERENTIAL LEUC | UCYTE COUNT (DLC) | | <i><i>ai</i></i> | 50 |
| NEUTROPHILS by FLOW CYTOMETR | Y BY SF CUBE & MICROSCOPY | 48 ^L | % | 50 - 70 |



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MD (Pathology) CEO & Consultant Pathologist

Dr. Yugam Chopra

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| | | | | - |
| LYMPHOCYTES by FLOW CYTOMETRY | BY SF CUBE & MICROSCOPY | 45 ^H | % | 20 - 40 |
| EOSINOPHILS | | 2 | % | 1 - 6 |
| by FLOW CYTOMETRY MONOCYTES | BY SF CUBE & MICROSCOPY | 5 | % | 2 - 12 |
| | BY SF CUBE & MICROSCOPY | C | 70 | 2 - 12 |
| BASOPHILS | | 0 | % | 0 - 1 |
| by FLOW CYTOMETRY ABSOLUTE LEUKOCY | BY SF CUBE & MICROSCOPY | | | |
| | | 2020 | 1 | 2000 7500 |
| ABSOLUTE NEUTROP by FLOW CYTOMETRY | HIL COUNT BY SF CUBE & MICROSCOPY | 3029 | /cmm | 2000 - 7500 |
| ABSOLUTE LYMPHOC | YTE COUNT | 2840 | /cmm | 800 - 4900 |
| | BY SF CUBE & MICROSCOPY | 10/ | lomm | 40, 440 |
| ABSOLUTE EOSINOPH by FLOW CYTOMETRY | TE COUNT BY SF CUBE & MICROSCOPY | 126 | /cmm | 40 - 440 |
| ABSOLUTE MONOCY | | 316 | /cmm | 80 - 880 |
| by FLOW CYTOMETRY ABSOLUTE BASOPHIL | BY SF CUBE & MICROSCOPY | 0 | lamm | 0 - 110 |
| | BY SF CUBE & MICROSCOPY | 0 | /cmm | 0 - 110 |
| PLATELETS AND OTH | ER PLATELET PREDICTIVE MARKE | <u>RS.</u> | | |
| PLATELET COUNT (PL | | 166000 | /cmm | 150000 - 450000 |
| | OCUSING, ELECTRICAL IMPEDENCE | 0.21 | % | 0.10 0.24 |
| PLATELETCRIT (PCT) by HYDRO DYNAMIC F | OCUSING, ELECTRICAL IMPEDENCE | 0.21 | % | 0.10 - 0.36 |
| MEAN PLATELET VOL | UME (MPV) | 13 ^H | fL | 6.50 - 12.0 |
| by HYDRO DYNAMIC F PLATELET LARGE CEL | COUSING, ELECTRICAL IMPEDENCE | 75000 | /cmm | 30000 - 90000 |
| | DCUSING, ELECTRICAL IMPEDENCE | 10000 | /cmm | 30000 - 70000 |
| PLATELET LARGE CEL | L RATIO (P-LCR) OCUSING, ELECTRICAL IMPEDENCE | 45.5 ^H | % | 11.0 - 45.0 |
| PLATELET DISTRIBUT | | 16.3 | % | 15.0 - 17.0 |
| by HYDRO DYNAMIC F | OCUSING, ELECTRICAL IMPEDENCE | | | - |
| NOTE: TEST CONDU | CTED ON EDTA WHOLE BLOOD | | | |



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| : 6349/1, NICHOLSON ROAD, A | AMBALA CANT | Г | 5 |
| | | | |
| | Value | Unit | Biological Reference interval |
| GL | YCOSYLATED H | IAEMOGLOBIN (HBA1C) | |
| GLOBIN (HbA1c): | 5.8 | % | 4.0 - 6.4 |
| | | | |
| LASMA GLUCOSE | 119.76 | mg/dL | 60.00 - 140.00 |
| ANCE LIQUID CHROMATOGRAPHY) | | | |
| | | | |
| | | | |
| | GLYCOS | × / | n % |
| | | | |
| | | | |
| | | | |
| | MD (Pathology & Chairman & Con : Mrs. HARITA : 47 YRS/FEMALE : SURJESH : : 01515344 : KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAD, A GLOBIN (HbA1c): ANCE LIQUID CHROMATOGRAPHY) LASMA GLUCOSE ANCE LIQUID CHROMATOGRAPHY) | : Mrs. HARITA : 47 YRS/FEMALE : SURJESH : : 01515344 : KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAD, AMBALA CANT Value Value CLYCOSYLATED H GLOBIN (HbA1c): 5.8 ANCE LIQUID CHROMATOGRAPHY) LASMA GLUCOSE ANCE LIQUID CHROMATOGRAPHY) ASPER AMERICAN DIABETES ASSOCIATION ERENCE GROUP CLYCOS tic Adults >= 18 years sk (Prediabetes) | MD (Pathology & Microbiology) Chairman & Consultant Pathologist MD CEO & Consultant : Mrs. HARITA : 47 YRS/FEMALE PATIENT ID : SURJESH REG. NO./LAB NO. : : SURJESH REGISTRATION DATE : 01515344 COLLECTION DATE : 6349/1, NICHOLSON ROAD, AMBALA CANTT : CLYCOSYLATED HAEMOGLOBIN (HBA1C) Mathematical Structure GLOBIN (HbA1c): 5.8 % : AS PER AMERICAN DIABETES ASSOCIATION (ADA): mg/dL ERENCE GROUP GLYCOSYLATED HEMOGLOGIB (HBAIC) i it c Adults >= 18 years <5.7 |

| Non diabetic Adults >= 18 years | <5.7 | |
|--|--------------------|-------|
| At Risk (Prediabetes) | 5.7 - 6.4 | |
| Diagnosing Diabetes | >= 6.5 | |
| | Age > 19 Y | ears |
| | Goals of Therapy: | < 7.0 |
| Therapeutic goals for glycemic control | Actions Suggested: | >8.0 |
| | Age < 19 Y | ears |
| | Goal of therapy: | <7.5 |
| IENTS: | · · · · · | |

CC

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 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

appropiate 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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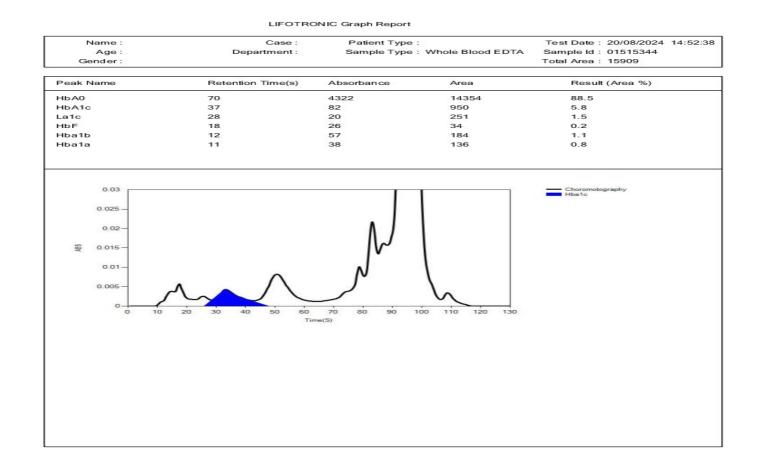
4.High







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| | | | |
| Test Name | | Value Unit | Biological Reference interval |







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| Fest Name | | Value | Unit | Biological Reference interval |
| | | ERYTHROCYTE SED | IMENTATION RATE (E | SR) |
| | IENTATION RATE (ESR) |) 16 | mm/1st | |
| ystemic lupus erythe CONDITION WITH LOV A low ESR can be see polycythaemia), sign is sickle cells in sickl NOTE: . ESR and C - reactive . Generally, ESR doe b. CRP is not affected b. If the ESR is elevate b. Women tend to ha b. Drugs such as dext | ematosus V ESR n with conditions that ir ificantly high white bloc e cell anaemia) also low e protein (C-RP) are both s not change as rapidly by as many other factor ed, it is typically a result ye a higher ESR, and me | whibit the normal sedime od cell count (leucocytos yer the ESR. In markers of inflammatic as does CRP, either at th s as is ESR, making it a be of two types of proteins instruation and pregnanc potraceptives, penicillan | entation of red blood cells, sis), and some protein abr on. e start of inflammation or etter marker of inflammati s, globulins or fibrinogen. y can cause temporary ele | on. |
| ispirin, cortisone, an | | | | |

KOS Diagnostic Lab (A Unit of KOS Healthcare)





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| Test Name | | Value | Unit | Biological Reference interval |
| Test Name | | | | |
| | CLII | NICAL CHEMISTRY | /BIOCHEMISTR | Y |
| | CLII | NICAL CHEMISTRY GLUCOSE FAS | | Y |

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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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT





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| Test Name | | Value | Unit | Biological Reference interval |
| | | LIPID PROFILE | BASIC | |
| CHOLESTEROL TOTA by CHOLESTEROL OX | | 226.77 ^H | mg/dL | OPTIMAL: < 200.0 BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR = 240. |
| TRIGLYCERIDES: SER by GLYCEROL PHOSP | UM PHATE OXIDASE (ENZYMATIC) | 107.48 | mg/dL | OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199.0 HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0 |
| HDL CHOLESTEROL (by SELECTIVE INHIBIT | | 72.22 | mg/dL | LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 - 60.0 HIGH HDL: > OR = 60.0 |
| LDL CHOLESTEROL: 5 by CALCULATED, SPE | | 133.05 ^H | mg/dL | OPTIMAL: < 100.0 ABOVE OPTIMAL: 100.0 - 129.0 BORDERLINE HIGH: 130.0 - 159.0 HIGH: 160.0 - 189.0 VERY HIGH: > OR = 190.0 |
| NON HDL CHOLESTE by calculated, spe | | 154.55 ^H | mg/dL | OPTIMAL: < 130.0 ABOVE OPTIMAL: 130.0 - 159.0 BORDERLINE HIGH: 160.0 - 189.0 HIGH: 190.0 - 219.0 VERY HIGH: > OR = 220.0 |
| VLDL CHOLESTEROL: | | 21.5 | mg/dL | 0.00 - 45.00 |
| by CALCULATED, SPE TOTAL LIPIDS: SERUI by CALCULATED, SPE | N | 561.02 | mg/dL | 350.00 - 700.00 |
| CHOLESTEROL/HDL I by CALCULATED, SPE | RATIO: SERUM | 3.14 | RATIO | LOW RISK: 3.30 - 4.40 AVERAGE RISK: 4.50 - 7.0 MODERATE RISK: 7.10 - 11.0 HIGH RISK: > 11.0 |
| LDL/HDL RATIO: SER by CALCULATED, SPE | | 1.84 | RATIO | LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0 |

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| Test Name | | Value | Unit | Biological Reference interval |
| TRIGLYCERIDES/HD | | 1.49 ^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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| LIVI | ER FUNCTION TEST | (Complete) | |
|--|---------------------|------------|---|
| BILIRUBIN TOTAL: SERUM by DIAZOTIZATION, SPECTROPHOTOMETRY | 0.31 | mg/dL | INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20 |
| BILIRUBIN DIRECT (CONJUGATED): SERUM by DIAZO MODIFIED, SPECTROPHOTOMETRY | 0.1 | mg/dL | 0.00 - 0.40 |
| BILIRUBIN INDIRECT (UNCONJUGATED): SERUM by CALCULATED, SPECTROPHOTOMETRY | 0.21 | mg/dL | 0.10 - 1.00 |
| SGOT/AST: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE | 35.3 | U/L | 7.00 - 45.00 |
| SGPT/ALT: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE | 62.4 ^H | U/L | 0.00 - 49.00 |
| AST/ALT RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY | 0.57 | RATIO | 0.00 - 46.00 |
| ALKALINE PHOSPHATASE: SERUM by PARA NITROPHENYL PHOSPHATASE BY AMINO METHYL PROPANOL | 168.79 ^H | U/L | 40.0 - 130.0 |
| GAMMA GLUTAMYL TRANSFERASE (GGT): SERUM by SZASZ, SPECTROPHTOMETRY | 49.55 | U/L | 0.00 - 55.0 |
| TOTAL PROTEINS: SERUM by BIURET, SPECTROPHOTOMETRY | 6.31 | gm/dL | 6.20 - 8.00 |
| ALBUMIN: SERUM by BROMOCRESOL GREEN | 4.22 | gm/dL | 3.50 - 5.50 |
| GLOBULIN: SERUM by CALCULATED, SPECTROPHOTOMETRY | 2.09 ^L | gm/dL | 2.30 - 3.50 |
| A : G RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY | 2.02 ^H | 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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DR.YUGAM CHOPRA CONSULTANT PATHOLOGIST MBBS, MD (PATHOLOGY)







| | Dr. Vinay Chop MD (Pathology & Mic Chairman & Consulta | crobiology) ME | m Chopra D (Pathology) ht Pathologist |
|--------------------|---|--------------------------|--|
| NAME | : Mrs. HARITA | | |
| AGE/ GENDER | : 47 YRS/FEMALE | PATIENT ID | : 1585182 |
| COLLECTED BY | : SURJESH | REG. NO./LAB NO. | : 012408200016 |
| REFERRED BY | : | REGISTRATION DATE | : 20/Aug/2024 08:37 AM |
| BARCODE NO. | :01515344 | COLLECTION DATE | : 20/Aug/2024 09:02AM |
| CLIENT CODE. | : KOS DIAGNOSTIC LAB | REPORTING DATE | : 20/Aug/2024 11:34AM |
| CLIENT ADDRESS | : 6349/1, NICHOLSON ROAD, AM | BALA 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 |
| | |



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

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Dr. Vinay Chopra Dr. Yugam Chopra MD (Pathology & Microbiology) MD (Pathology) Chairman & Consultant Pathologist **CEO & Consultant Pathologist** NAME : Mrs. HARITA AGE/ GENDER : 47 YRS/FEMALE **PATIENT ID** :1585182 : SURJESH **COLLECTED BY** :012408200016 REG. NO./LAB NO. **REFERRED BY REGISTRATION DATE** : 20/Aug/2024 08:37 AM : **BARCODE NO.** :01515344 **COLLECTION DATE** : 20/Aug/2024 09:02AM CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE** : 20/Aug/2024 11:34AM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Unit **Biological Reference interval KIDNEY FUNCTION TEST (COMPLETE) UREA: SERUM** 27.89 mg/dL 10.00 - 50.00 by UREASE - GLUTAMATE DEHYDROGENASE (GLDH) **CREATININE: SERUM** 0.63 mg/dL 0.40 - 1.20 by ENZYMATIC, SPECTROPHOTOMETERY 13.03 BLOOD UREA NITROGEN (BUN): SERUM mg/dL 7.0 - 25.0 by CALCULATED, SPECTROPHOTOMETRY **BLOOD UREA NITROGEN (BUN)/CREATININE** RATIO 10.0 - 20.0 20.68^H **RATIO: SERUM** by CALCULATED, SPECTROPHOTOMETRY 44.27 RATIO **UREA/CREATININE RATIO: SERUM** by CALCULATED, SPECTROPHOTOMETRY URIC ACID: SERUM 5.54 mg/dL 2.50 - 6.80 by URICASE - OXIDASE PEROXIDASE CALCIUM: SERUM 9.32 mg/dL 8.50 - 10.60 by ARSENAZO III, SPECTROPHOTOMETRY PHOSPHOROUS: SERUM 3.71 mg/dL 2.30 - 4.70 by PHOSPHOMOLYBDATE, SPECTROPHOTOMETRY **ELECTROLYTES** SODIUM: SERUM 141.7 mmol/L 135.0 - 150.0 by ISE (ION SELECTIVE ELECTRODE) mmol/L 3.50 - 5.00 POTASSIUM: SERUM 4 by ISE (ION SELECTIVE ELECTRODE) CHLORIDE: SERUM 106.28 mmol/L 90.0 - 110.0

by ISE (ION SELECTIVE ELECTRODE) **ESTIMATED GLOMERULAR FILTERATION RATE**

ESTIMATED GLOMERULAR FILTERATION RATE (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.

110

2. Catabolic states with increased tissue breakdown.



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TEST PERFORMED AT KOS DIAGNOSTIC LAB. AMBALA CANTT

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| | MD (P | inay Chopra athology & Microbiology) nan & Consultant Pathologis | | gam Chopra MD (Pathology) Itant Pathologist | |
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| REFERRED BY | | | REGISTRATION DAT | | 27 AM |
| | | | | U | |
| BARCODE NO. | :01515344 | | COLLECTION DATE | : 20/Aug/2024 09:0 | |
| CLIENT CODE. | : KOS DIAGNOSTIC I | | REPORTING DATE | : 20/Aug/2024 11:3 | 4AM |
| CLIENT ADDRESS | : 6349/1, NICHOLSC | N ROAD, AMBALA CANTT | | | |
| Test Name | | Value | Unit | Biological | Reference interval |
| burns, surgery, cache 7. Urine reabsorption 8. Reduced muscle m 9. Certain drugs (e.g. INCREASED RATIO (>2 1. Postrenal azotemia 2. Prerenal azotemia DECREASED RATIO (< | ke or production or tis xia, high fever). (e.g. ureter colostomy ass (subnormal creatir tetracycline, glucocort 0:1) WITH ELEVATED C (BUN rises disproport superimposed on rena 10:1) WITH DECREASED |) ine production) icoids) REATININE LEVELS: ionately more than creatin I disease. | | coxicosis, Cushing's syndrom | ne, high protein diet, |
| 6. Excess protein inta burns, surgery, cache 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 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 | ke or production or tis xia, high fever). (e.g. ureter colostomy ass (subnormal creatir tetracycline, glucocort 0:1) WITH ELEVATED C (BUN rises disproport superimposed on rena 10:1) WITH DECREASED osis. d starvation. e. creased urea synthesis urea rather than creat monemias (urea is virt of inappropiate antidiu 10:1) WITH INCREASED py (accelerates conver eleases muscle creatin |) ine production) icoids) REATININE LEVELS: ionately more than creatin I disease. BUN : inine diffuses out of extract ually absent in blood). retic harmone) due to tubu CREATININE: sion of creatine to creatini ine). | ine) (e.g. obstructive ur cellular fluid). llar secretion of urea. | | ne, high protein diet, |
| 6. Excess protein inta burns, surgery, cache 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 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 | ke or production or tis xia, high fever). (e.g. ureter colostomy ass (subnormal creatir tetracycline, glucocort 0:1) WITH ELEVATED CI (BUN rises disproport superimposed on rena 0:1) WITH DECREASED osis. d starvation. e. creased urea synthesis urea rather than creat monemias (urea is virt of inappropiate antidiu 10:1) WITH INCREASED py (accelerates conver eleases muscle creatin who develop renal fail : sis (acetoacetate cause |) ine production) icoids) REATININE LEVELS: ionately more than creatin I disease. BUN : inine diffuses out of extract ually absent in blood). retic harmone) due to tubu CREATININE: sion of creatine to creatini ine). ure. es false increase in creatin | ine) (e.g. obstructive ur cellular fluid). llar secretion of urea. ne). | | |
| 6. Excess protein inta burns, surgery, cache 7. Urine reabsorption 8. Reduced muscle m 9. Certain drugs (e.g. INCREASED RATIO (<2 1. Postrenal azotemia DECREASED RATIO (<7 1. Acute tubular necr 2. Low protein diet ar 3. Severe liver diseas 4. Other causes of de 5. Repeated dialysis (6. Inherited hyperam 7. SIADH (syndrome (8. Pregnancy. DECREASED RATIO (<7 1. Phenacimide thera 2. Rhabdomyolysis (r 3. Muscular patients INAPPROPIATE RATIO 1. Diabetic ketoacido should produce an in 2. Cephalosporin thei | ke or production or tis xia, high fever). (e.g. ureter colostomy ass (subnormal creatir tetracycline, glucocort 0:1) WITH ELEVATED CI (BUN rises disproport superimposed on rena 0:1) WITH DECREASED osis. d starvation. 2. creased urea synthesis urea rather than creat monemias (urea is virt of inappropiate antidiu 10:1) WITH INCREASED py (accelerates conver eleases muscle creatin who develop renal fail : sis (acetoacetate causic creased BUN/creatinin |) ine production) icoids) REATININE LEVELS: ionately more than creating I disease. BUN : | ine) (e.g. obstructive ur cellular fluid). llar secretion of urea. ne). | ropathy). | |

| CKD STAGE | DESCRIPTION | GFR (mL/min/1.73m2) | ASSOCIATED FINDINGS |
|-----------------------|--------------------------|-----------------------|--------------------------|
| G1 | Normal kidney function | >90 | No proteinuria |
| G2 Kidney damage with | | >90 | Presence of Protein, |
| | normal or high GFR | | Albumin or cast in urine |
| G3a | Mild decrease in GFR | 60 -89 | |
| G3b | Moderate decrease in GFR | 30-59 | |
| G4 | Severe decrease in GFR | 15-29 | |
| G5 | Kidney failure | <15 | |



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| | Dr. Vinay Chop MD (Pathology & Mi Chairman & Consult | crobiology) ME | m Chopra D (Pathology) ht Pathologist |
|--------------------|--|--------------------------|--|
| NAME | : Mrs. HARITA | | |
| AGE/ GENDER | : 47 YRS/FEMALE | PATIENT ID | : 1585182 |
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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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µg/dL

mg/dL

%

IRON DEFICIENCY ANEMIA

Reduced

Increased

Decreased < 12-15 %

Decreased

230 - 430

15.0 - 50.0

200.0 - 350.0

THALASSEMIA α/β TRAIT

Normal

Normal

Normal

Normal or Increased

| | Dr. Vinay Cho MD (Pathology & Chairman & Cons | Microbiology) | Dr. Yugam MD CEO & Consultant | (Pathology) |
|---|--|---------------|-------------------------------------|-------------------------------|
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| Test Name | | Value | Unit | Biological Reference interval |
| | | IRON PR | ROFILE | |
| IRON: SERUM by FERROZINE, SPEC | TROPHOTOMETRY | 77.7 | μg/dL | 37.0 - 145.0 |
| UNSATURATED IRON SERUM by FERROZINE, SPEC | N BINDING CAPACITY (UIBC) | 197.83 | μg/dL | 150.0 - 336.0 |

275.53

28.2

195.63^L

INTERPRETATION:

:SERUM

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):

TOTAL IRON BINDING CAPACITY (TIBC)

%TRANSFERRIN SATURATION: SERUM

by SPECTROPHOTOMETERY (FERENE)

VARIABLES

SERUM FERRITIN:

by CALCULATED, SPECTROPHOTOMETERY (FERENE)

by SPECTROPHOTOMETERY

TRANSFERRIN: SERUM

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

ANEMIA OF CHRONIC DISEASE

Normal to Reduced

Decreased

Decreased

Normal to Increased

% 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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| CLIENT ADDRESS | : 6349/1, NICHOLSON ROAD, A | MBALA CANTT | | | |
| Test Name | | Value | Unit | Biological Reference interval | |
| | | ENDOCRINO | LOGY | | |
| | - | HYROID FUNCTION | TECT. TOTAL | | |
| | | HIROID FUNCTION | IESI: IUIAL | | |
| | | 0.764 | ng/mL | 0.35 - 1.93 | |
| <i>by CMIA (CHEMILUMIN</i> THYROXINE (T4): SE | E (T3): SERUM NESCENT MICROPARTICLE IMMUNOAS | 0.764 say) 7.16 | | 0.35 - 1.93 4.87 - 12.60 | |
| by CMIA (CHEMILUMIN THYROXINE (T4): SE by CMIA (CHEMILUMIN THYROID STIMULAT by CMIA (CHEMILUMIN | e (T3): serum <i>nescent microparticle immunoas</i> RUM | 0.764 say) 7.16 | ng/mL | | |
| THYROXINE (T4): SE by CMIA (CHEMILUMIN THYROID STIMULAT | E (T3): SERUM NESCENT MICROPARTICLE IMMUNOAS RUM NESCENT MICROPARTICLE IMMUNOAS FING HORMONE (TSH): SERUM INESCENT MICROPARTICLE | 0.764 SAY) 7.16 SAY) | ng/mL µgm/dL | 4.87 - 12.60 | |

trilodothyronine (T3). Failure at any level of regulation of the hypothalamic-pituitary-thyroid axis will result in either underproduction (hypothyroidism) or

| | · . | |
|--------------------------------|----------|------------|
| overproduction(hyperthyroidisn | n) of T4 | and/or T3. |

| CLINICAL CONDITION | T3 | 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).

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

| Ī | TRIIODOTHYRONINE (T3) | | THYROXINE (T4) | | THYROID STIMULATING HORMONE (TSH) | |
|---|-----------------------|-----------------------------|----------------|-----------------------------|-----------------------------------|------------------------------|
| | Age | Refferance Range (ng/mL) | Age | Refferance Range (µg/dL) | Age | Reference Range (μIU/mL) |

| 5 | Range (ng/mL) | 5 | Range (µg/dL) | 3 | (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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| Test Name | | | Value | Unit | : | Biological Reference interva |
|---------------------|---------------|----------------------|------------------|---------------------|-------------|------------------------------|
| 6 - 12 Months | 0.74 - 2.40 | 6 - 12 Months | 7.10 - 16.16 | 6 – 12 Months | 0.70 - 7.00 | |
| 1 - 10 Years | 0.92 - 2.28 | 1 - 10 Years | 6.00 - 13.80 | 1 – 10 Years | 0.60 - 5.50 | |
| 11- 19 Years | 0.35 - 1.93 | 11 - 19 Years | 4.87- 13.20 | 11 – 19 Years | 0.50 - 5.50 | |
| > 20 years (Adults) | 0.35 - 1.93 | > 20 Years (Adults) | 4.87 - 12.60 | > 20 Years (Adults) | 0.35-5.50 | |
| | RECO | MMENDATIONS OF TSH L | EVELS DURING PRE | GNANCY (µIU/mL) | • | |
| | 1st Trimester | | | 0.10 - 2.50 | | |
| | 2nd Trimester | | | 0.20 - 3.00 | | |
| | 3rd Trimester | | | 0.30 - 4.10 | | |

INCREASED TSH LEVELS:

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

2.Hypothyroid patients receiving insufficient thyroid replacement therapy.

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





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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



| | MD (Pat | nay Chopra hology & Microbiology) n & Consultant Pathologis | M | m Chopra D (Pathology) nt Pathologist |
|--|---|---|--|---|
| NAME AGE/ GENDER COLLECTED BY REFERRED BY BARCODE NO. CLIENT CODE. CLIENT ADDRESS | : Mrs. HARITA : 47 YRS/FEMALE : SURJESH : : 01515344 : KOS DIAGNOSTIC LA : 6349/1, NICHOLSON | B I ROAD, AMBALA CANTT | PATIENT ID REG. NO./LAB NO. REGISTRATION DATE COLLECTION DATE REPORTING DATE | : 1585182 : 012408200016 : 20/Aug/2024 08:37 AM : 20/Aug/2024 09:02AM : 20/Aug/2024 11:34AM |
| Test Name | | Value | Unit | Biological Reference interval |
| | | | AMINS YDROXY VITAMIN D3 | |
| • | ROXY VITAMIN D3): SEF escence immunoassay) | RUM 56.4 | ng/mL | DEFICIENCY: < 20.0 INSUFFICIENCY: 20.0 - 30.0 SUFFICIENCY: 30.0 - 100.0 TOXICITY: > 100.0 |
| DEFI | CIENT: | < 20 | | ng/mL |
| | FICIENT: | 21 - 29 | | ng/mL |
| | ED RANGE: CATION: | <u> </u> | | ng/mL |
| 2.25-OHVitamin D r issue and tightly bou 3.Vitamin D plays a p ohosphate reabsorpt 4.Severe deficiency n DECREASED: 1.Lack of sunshine ex 2.Inadequate intake, 3.Depressed Hepatic 4.Secondary to advar 5.Osteoporosis and S | epresents the main body und by a transport prote- rimary role in the maint ion, skeletal calcium der nay lead to failure to min posure. malabsorption (celiac d Vitamin D 25- hydroxyla ced Liver disease econdary Hyperparathro rugs: anti-epileptic drugs | in while in circulation. enance of calcium home position, calcium mobiliza heralize newly formed os isease) se activity pidism (Mild to Moderate s like phenytoin, phenoba | orm of Vitamin D and tran ostatis. It promotes calciu ation, mainly regulated by teoid in bone, resulting in deficiency) irbital and carbamazepine re to extremely high dose | sport form of Vitamin D, being stored in adipose im absorption, renal calcium absorption and parathyroid harmone (PTH). rickets in children and osteomalacia in adults. , that increases Vitamin D metabolism. s of Vitamin D. When it occurs, it can result in ent of Vitamin D levels in order to prevent |





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| | Dr. Vinay Ch MD (Pathology & Chairman & Con | | Dr. Yugam MD CEO & Consultant | (Pathology) |
|--|---|---|--|-------------------------------|
| NAME | : Mrs. HARITA | | | |
| AGE/ GENDER | : 47 YRS/FEMALE | PATIE | NT ID | : 1585182 |
| COLLECTED BY | : SURJESH | REG. N | 0./LAB NO. | : 012408200016 |
| REFERRED BY | : | REGIS | TRATION DATE | : 20/Aug/2024 08:37 AM |
| BARCODE NO. | :01515344 | COLLE | CTION DATE | : 20/Aug/2024 09:02AM |
| CLIENT CODE. | : KOS DIAGNOSTIC LAB | REPOI | RTING DATE | : 20/Aug/2024 11:45AM |
| CLIENT ADDRESS | : 6349/1, NICHOLSON ROAD, | AMBALA CANTT | | 0 |
| Test Name | | Value | Unit | Biological Reference interval |
| | LAMIN: SERUM iescent microparticle immunoa | VITAMIN B12/COI 625.51 ssay) | BALAMIN pg/mL | 190.0 - 830 |
| INTERPRETATION:- | | | | |
| | SED VITAMIN B12 | C | DECREASED VITAMIN | I B12 |
| INCREAS 1.Ingestion of Vitan | nin C | 1.Pregnancy | | |
| INCREAS 1.Ingestion of Vitan 2.Ingestion of Estro | nin C gen | 1.Pregnancy 2.DRUGS:Aspiri | n, Anti-convulsants | |
| INCREAS 1.Ingestion of Vitan 2.Ingestion of Estro 3.Ingestion of Vitan | nin C gen nin A | 1.Pregnancy 2.DRUGS:Aspiri 3.Ethanol Igesti | n, Anti-convulsants, on | |
| INCREAS 1.Ingestion of Vitan 2.Ingestion of Estro 3.Ingestion of Vitan 4.Hepatocellular in | nin C gen nin A jury | 1.Pregnancy 2.DRUGS:Aspirit 3.Ethanol Igesti 4. Contraceptive | n, Anti-convulsants on e Harmones | |
| 1.Ingestion of Vitan 2.Ingestion of Estro 3.Ingestion of Vitan | nin C gen nin A jury | 1.Pregnancy 2.DRUGS:Aspiri 3.Ethanol Igesti | n, Anti-convulsants on e Harmones s | |

5. Vitamin B12 deficiency frequently causes macrocytic anemia, glossitis, peripheral neuropathy, weakness, hyperreflexia, ataxia, loss of proprioception, poor coordination, and affective behavioral changes. These manifestations may occur in any combination; many patients have the neurologic defects without macrocytic anemia.

6.Serum methylmalonic acid and homocysteine levels are also elevated in vitamin B12 deficiency states.

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.





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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT





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|--------------------------------------|---|-------------------|-------------------------------------|-------------------------------|
| NAME | : Mrs. HARITA | | | |
| AGE/ GENDER | : 47 YRS/FEMALE | PATIEN | T ID | : 1585182 |
| COLLECTED BY | : SURJESH | REG. NO |)./LAB NO. | : 012408200016 |
| REFERRED BY | : | REGIST | RATION DATE | : 20/Aug/2024 08:37 AM |
| BARCODE NO. | : 01515344 | COLLEC | TION DATE | : 20/Aug/2024 09:02AM |
| CLIENT CODE. | : KOS DIAGNOSTIC LAB | REPORT | FING DATE | : 20/Aug/2024 09:53AM |
| CLIENT ADDRESS | : 6349/1, NICHOLSON ROAD, A | AMBALA CANTT | | |
| Test Name | | Value | Unit | Biological Reference interval |
| | | CLINICAL PATHO | DLOGY | |
| | URINE RO | OUTINE & MICROSCO | PIC EXAMINAT | ION |
| PHYSICAL EXAMINA | | | | |
| QUANTITY RECIEVE | | 10 | ml | |
| by DIP STICK/REFLEC | CTANCE SPECTROPHOTOMETRY | | | |
| COLOUR | CTANCE SPECTROPHOTOMETRY | AMBER YELLOW | | PALE YELLOW |
| TRANSPARANCY | | CLEAR | | CLEAR |
| by DIP STICK/REFLEC | CTANCE SPECTROPHOTOMETRY | 1.01 | | 1.002 - 1.030 |
| | CTANCE SPECTROPHOTOMETRY | 1.01 | | 1.002 - 1.030 |
| CHEMICAL EXAMINA | ATION | | | |
| REACTION | | ACIDIC | | |
| PROTEIN | CTANCE SPECTROPHOTOMETRY | Negative | | NEGATIVE (-ve) |
| by DIP STICK/REFLEC | CTANCE SPECTROPHOTOMETRY | | | |
| SUGAR | TANCE SPECTROPHOTOMETRY | Negative | | NEGATIVE (-ve) |
| pH | | 6.5 | | 5.0 - 7.5 |
| | CTANCE SPECTROPHOTOMETRY | Negotivo | | |
| BILIRUBIN by DIP STICK/REFLEC | CTANCE SPECTROPHOTOMETRY | Negative | | NEGATIVE (-ve) |
| NITRITE | | Negative | | NEGATIVE (-ve) |
| by DIP STICK/REFLEC | CTANCE SPECTROPHOTOMETRY. | Normal | EU/dL | 0.2 - 1.0 |
| by DIP STICK/REFLEC | CTANCE SPECTROPHOTOMETRY | | 20/ 42 | |
| KETONE BODIES by DIP STICK/REFLEC | TANCE SPECTROPHOTOMETRY | Negative | | NEGATIVE (-ve) |
| BLOOD | | Negative | | NEGATIVE (-ve) |
| | CTANCE SPECTROPHOTOMETRY | NEGATIVE (-ve) | | |
| ASCORBIC ACID by DIP STICK/REFLEC | TANCE SPECTROPHOTOMETRY | NEGATIVE (-Ve) | | NEGATIVE (-ve) |
| | | | | |

MICROSCOPIC EXAMINATION



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

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









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

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

| NAME | : Mrs. HARITA | | | |
|---|---------------------------------------|----------------|--------------|-------------------------------|
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| CLIENT ADDRESS | : 6349/1, NICHOLSON ROAD, AM | /IBALA CANTT | | |
| T + NI | | Mahar | 1114 | |
| Test Name | | Value | Unit | Biological Reference interval |
| RED BLOOD CELLS (F | RBCs) CENTRIFUGED URINARY SEDIMENT | NEGATIVE (-ve) | /HPF | 0 - 3 |
| | | | | |
| | CENTRIFUGED URINARY SEDIMENT | 1-3 | /HPF | 0 - 5 |
| by MICROSCOPY ON C | | 1-3 2-4 | /HPF /HPF | 0 - 5 ABSENT |
| by MICROSCOPY ON O EPITHELIAL CELLS by MICROSCOPY ON O CRYSTALS | CENTRIFUGED URINARY SEDIMENT | | | |
| EPITHELIAL CELLS by MICROSCOPY ON C CRYSTALS by MICROSCOPY ON C CASTS | CENTRIFUGED URINARY SEDIMENT | 2-4 | | ABSENT |

by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT OTHERS

by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT TRICHOMONAS VAGINALIS (PROTOZOA)

by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT

** End Of Report ***

NEGATIVE (-ve)

ABSENT





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NEGATIVE (-ve)

ABSENT