



| MD (| Vinay Chopra Pathology & Microbiology) man & Consultant Pathologist | Dr. Yugam Cho MD (Patho CEO & Consultant Pathol | logy) |
|---|---|---|--|
| BARCODE NO. : 01516330 CLIENT CODE. : KOS DIAGNOSTIC | PATIE REG. N IX CLUB (AMBALA CANTT) COLLE | io./LAB NO. : 01 IFRATION DATE : 05 CTION DATE : 05 | 02637 1 2409050027 /Sep/2024 10:45 AM /Sep/2024 10:49AM /Sep/2024 11:22AM |
| Test Name | Value | Unit | Biological Reference interval |
| | SWASTHYA WELLNES | SS PANEL: 1.0 | |
| | COMPLETE BLOOD C | OUNT (CBC) | |
| RED BLOOD CELLS (RBCS) COUNT AND IN | <u>IDICES</u> | | |
| HAEMOGLOBIN (HB) by Calorimetric | 11.4 ^L | gm/dL | 12.0 - 16.0 |
| RED BLOOD CELL (RBC) COUNT | 4.46 | Millions/cmm | 3.50 - 5.00 |
| by HYDRO DYNAMIC FOCUSING, ELECTRICAL PACKED CELL VOLUME (PCV) | IMPEDENCE 36.8 ^L | % | 37.0 - 50.0 |
| by CALCULATED BY AUTOMATED HEMATOL MEAN CORPUSCULAR VOLUME (MCV) | OGY ANALYZER 82.5 | fL | 80.0 - 100.0 |
| by CALCULATED BY AUTOMATED HEMATOLO | DGY ANALYZER | | |
| MEAN CORPUSCULAR HAEMOGLOBIN (N by CALCULATED BY AUTOMATED HEMATOL | | pg | 27.0 - 34.0 |
| MEAN CORPUSCULAR HEMOGLOBIN CON | NC. (MCHC) 31 ^L | g/dL | 32.0 - 36.0 |
| by CALCULATED BY AUTOMATED HEMATOL RED CELL DISTRIBUTION WIDTH (RDW-C | | % | 11.00 - 16.00 |
| by CALCULATED BY AUTOMATED HEMATOLC RED CELL DISTRIBUTION WIDTH (RDW-S | | fL | 35.0 - 56.0 |
| by CALCULATED BY AUTOMATED HEMATOL | | IL I | 33.0 - 30.0 |
| MENTZERS INDEX by CALCULATED | 18.5 | RATIO | BETA THALASSEMIA TRAIT: < 13.0 IRON DEFICIENCY ANEMIA: >13.0 |
| GREEN & KING INDEX | 27.68 | RATIO | BETA THALASSEMIA TRAIT:<= 65. |
| by CALCULATED | | | IRON DEFICIENCY ANEMIA: > 65.0 |
| WHITE BLOOD CELLS (WBCS) | 7400 | 1 | 4000 11000 |
| TOTAL LEUCOCYTE COUNT (TLC) by FLOW CYTOMETRY BY SF CUBE & MICROS | 7180 SCOPY | /cmm | 4000 - 11000 |
| NUCLEATED RED BLOOD CELLS (nRBCS) by AUTOMATED 6 PART HEMATOLOGY ANAL | NIL | | 0.00 - 20.00 |
| NUCLEATED RED BLOOD CELLS (nRBCS) 9 | | % | < 10 % |
| by CALCULATED BY AUTOMATED HEMATOL | | | |
| DIFFERENTIAL LEUCOCYTE COUNT (DLC) NEUTROPHILS | 60 | % | 50 - 70 |
| by FLOW CYTOMETRY BY SF CUBE & MICROS | | 70 | 50 - 70 |

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

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| | Dr. Vinay Chop MD (Pathology & Mi Chairman & Consult | crobiology) | Dr. Yugam MD CEO & Consultant | (Pathology) | |
|--|---|---------------------|-------------------------------------|-------------------------------|--|
| NAME | : Mrs. SUNITA KINRA | | | | |
| AGE/ GENDER | : 58 YRS/FEMALE | P | ATIENT ID | : 1602637 | |
| COLLECTED BY | : SURJESH | R | EG. NO./LAB NO. | : 012409050027 | |
| REFERRED BY | : CENTRAL PHOENIX CLUB (AMB | | | : 05/Sep/2024 10:45 AM | |
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| CLIENT CODE. | : KOS DIAGNOSTIC LAB | | EPORTING DATE | : 05/Sep/2024 11:22AM | |
| CLIENT ADDRESS | : 6349/1, NICHOLSON ROAD, AM | | | · · · · · · · · · | |
| | | | | | |
| Test Name | | Value | Unit | Biological Reference interval | |
| | BY SF CUBE & MICROSCOPY | 31 | % | 20 - 40 | |
| EOSINOPHILS | | 4 | % | 1 - 6 | |
| by FLOW CYTOMETRY | BY SF CUBE & MICROSCOPY | 5 | % | 2 - 12 | |
| | BY SF CUBE & MICROSCOPY | 5 | 70 | 2 - 12 | |
| BASOPHILS | | 0 | % | 0 - 1 | |
| | BY SF CUBE & MICROSCOPY | | | | |
| ABSOLUTE LEUKOCYT | | 1000 | | 0000 7500 | |
| | HIL COUNT BY SF CUBE & MICROSCOPY | 4308 | /cmm | 2000 - 7500 | |
| ABSOLUTE LYMPHOCY | | 2226 | /cmm | 800 - 4900 | |
| by FLOW CYTOMETRY | BY SF CUBE & MICROSCOPY | | | | |
| ABSOLUTE EOSINOPH | IL COUNT by sf cube & microscopy | 287 | /cmm | 40 - 440 | |
| ABSOLUTE MONOCYT | | 359 | /cmm | 80 - 880 | |
| | BY SF CUBE & MICROSCOPY | 007 | , 011111 | | |
| ABSOLUTE BASOPHIL | | 0 | /cmm | 0 - 110 | |
| - | BY SF CUBE & MICROSCOPY E <mark>R PLATELET PREDICTIVE MARKE</mark> | DS | | | |
| | | | /cmm | 150000 450000 | |
| PLATELET COUNT (PLT by HYDRO DYNAMIC FC |))CUSING, ELECTRICAL IMPEDENCE | 284000 | /////// | 150000 - 450000 | |
| PLATELETCRIT (PCT) | | 0.36 ^H | % | 0.10 - 0.36 | |
| - | CUSING, ELECTRICAL IMPEDENCE | | | (50, 40,0 | |
| MEAN PLATELET VOLU | JIME (MPV) DCUSING, ELECTRICAL IMPEDENCE | 13 ^H | fL | 6.50 - 12.0 | |
| PLATELET LARGE CELL | | 133000 ^H | /cmm | 30000 - 90000 | |
| PLATELET LARGE CELL | | 46.9 ^H | % | 11.0 - 45.0 | |
| PLATELET DISTRIBUTI | ON WIDTH (PDW) | 16.3 | % | 15.0 - 17.0 | |
| | CUSING, ELECTRICAL IMPEDENCE | | | | |
| NOTE. TEST CONDUC | TED ON EDTA WHOLE BLOOD | | | | |





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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



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|--|--|--|--|--|
| NAME AGE/ GENDER COLLECTED BY REFERRED BY BARCODE NO. | : Mrs. SUNITA KINRA : 58 YRS/FEMALE : SURJESH : CENTRAL PHOENIX CLUB (A : 01516330 | REG MBALA CANTT) REG | IENT ID . NO./LAB NO. ISTRATION DATE LECTION DATE | : 1602637 : 012409050027 : 05/Sep/2024 10:45 AM : 05/Sep/2024 10:49AM |
| CLIENT CODE. CLIENT ADDRESS | : KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAD, | REP | ORTING DATE | : 05/Sep/2024 11:37AM |
| Test Name | | Value | Unit | Biological Reference interval |
| | ERYTH | HROCYTE SEDIMEN | TATION RATE (ESR | 2) |
| by MODIFIED WESTER INTERPRETATION: 1. ESR is a non-specifi immune disease, but 2. An ESR can be affect as C-reactive protein 3. This test may also I systemic lupus erythe CONDITION WITH LOV A low ESR can be seed (polycythaemia), sign as sickle cells in sickle NOTE: 1. ESR and C - reactive 2. Generally, ESR doe 3. CRP is not affected 4. If the ESR is elevate 5. Women tend to har 6. Drugs such as dext | MENTATION RATE (ESR) GREN AUTOMATED METHOD ic test because an elevated resu does not tell the health practitic cted by other conditions besides be used to monitor disease active matosus N ESR n with conditions that inhibit the ificantly high white blood cell co e cell anaemia) also lower the E e protein (C-RP) are both marker s not change as rapidly as does (by as many other factors as is ES ed, it is typically a result of two f ve a higher ESR, and menstruation | 13 It often indicates the poner exactly where the sinflammation. For this inflammation. For this with and response to the normal sedimentation ount (leucocytosis), and the sedimentation. CRP, either at the start SR , making it a better n types of proteins, glob on and pregnancy can be added at the sedimentation of the sedimentation of the sedimentation. | mm/1st hr resence of inflammatic inflammation is in the s reason, the ESR is typ erapy in both of the ab n of red blood cells, su ad some protein abnor of inflammation or as arker of inflammation . Juns or fibrinogen. ause temporary elevat | 0 - 20 on associated with infection, cancer and auto- body or what is causing it. ically used in conjunction with other test such bove diseases as well as some others, such as icch as a high red blood cell count malities. Some changes in red cell shape (such |
| | | | | |





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| | | | | |
| Test Name | | Value | Unit | Biological Reference interval |
| | CLIN | | Unit STRY/BIOCHEMISTR | |
| | CLIN | | | |

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. Such patients. A fasting plasma glucose level in excess of 125 mg/dl on both occasions is confirmatory for diabetic state.

KOS Diagnostic Lab (A Unit of KOS Healthcare)



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| CLIENT ADDRESS | : 6349/1, NICHOLSON ROA | D, AMBALA CANTT | | |
| Test Name | | Value | Unit | Biological Reference interval |
| | | LIPID PR | OFILE : BASIC | |
| CHOLESTEROL TOTA by CHOLESTEROL O | | 221.14 ^H | mg/dL | OPTIMAL: < 200.0 BORDERLINE HIGH: 200.0 - 239 HIGH CHOLESTEROL: > OR = 240 |
| TRIGLYCERIDES: SEF by GLYCEROL PHOSE | RUM PHATE OXIDASE (ENZYMATIC) | 172.21 ^H | mg/dL | OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199 HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0 |
| HDL CHOLESTEROL (by SELECTIVE INHIBIT | | 52.13 | mg/dL | LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 - 60.0 HIGH HDL: > OR = 60.0 |
| LDL CHOLESTEROL: 5 by CALCULATED, SPE | | 134.57 ^H | mg/dL | OPTIMAL: < 100.0 ABOVE OPTIMAL: 100.0 - 129.0 BORDERLINE HIGH: 130.0 - 159 HIGH: 160.0 - 189.0 VERY HIGH: > OR = 190.0 |
| NON HDL CHOLESTE | | 169.01 ^H | mg/dL | OPTIMAL: < 130.0 ABOVE OPTIMAL: 130.0 - 159.0 BORDERLINE HIGH: 160.0 - 189 HIGH: 190.0 - 219.0 VERY HIGH: > OR = 220.0 |
| VLDL CHOLESTEROL: by CALCULATED, SPE | | 34.44 | mg/dL | 0.00 - 45.00 |
| TOTAL LIPIDS: SERUI | M | 614.49 | mg/dL | 350.00 - 700.00 |
| CHOLESTEROL/HDL I by CALCULATED, SPE | RATIO: SERUM | 4.24 | RATIO | LOW RISK: 3.30 - 4.40 AVERAGE RISK: 4.50 - 7.0 MODERATE RISK: 7.10 - 11.0 HIGH RISK: > 11.0 |
| DL/HDL RATIO: SER | | 2.58 | RATIO | LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0 |

CONSULTANT PATHOLOGIST MBBS, MD (PATHOLOGY & MICROBIOLOGY)

77

1.55

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| Test Name | | Value | Unit | Biological Reference interval |
| TRIGLYCERIDES/HDL by CALCULATED, SPE | | 3.3 | 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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| Test Name | | Value | Unit | Biological Reference interval |
| BILIRUBIN TOTAL: S | | R FUNCTION 0.56 | TEST (COMPLETE) mg/dL | INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20 |
| BILIRUBIN DIRECT (| CONJUGATED): SERUM | 0.13 | mg/dL | 0.00 - 0.40 |
| - | (UNCONJUGATED): SERUM | 0.43 | mg/dL | 0.10 - 1.00 |
| SGOT/AST: SERUM by IFCC, WITHOUT PY | RIDOXAL PHOSPHATE | 16.5 | U/L | 7.00 - 45.00 |
| SGPT/ALT: SERUM by IFCC, WITHOUT PY | RIDOXAL PHOSPHATE | 16.1 | U/L | 0.00 - 49.00 |
| AST/ALT RATIO: SER by CALCULATED, SPE | | 1.02 | RATIO | 0.00 - 46.00 |
| ALKALINE PHOSPHA by PARA NITROPHEN PROPANOL | TASE: SERUM IYL PHOSPHATASE BY AMINO METHYL | 168.88 ^H | U/L | 40.0 - 130.0 |
| GAMMA GLUTAMYL by SZASZ, SPECTROF | . TRANSFERASE (GGT): SERUM | 43.99 | U/L | 0.00 - 55.0 |

ZASZ, SPECTROPHTOMI TOTAL PROTEINS: SERUM 6.61 gm/dL 6.20 - 8.00 by BIURET, SPECTROPHOTOMETRY ALBUMIN: SERUM 4.24 gm/dL 3.50 - 5.50 by BROMOCRESOL GREEN **GLOBULIN: SERUM** 2.37 2.30 - 3.50 gm/dL by CALCULATED, SPECTROPHOTOMETRY A : G RATIO: SERUM 1.79 RATIO 1.00 - 2.00 by CALCULATED, SPECTROPHOTOMETRY

NOTE:- To be correlated in individuals having SGOT and SGPT values higher than Normal Referance Range.

INTERPRETATION

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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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).

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



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| Test Name | | Value | Unit | Biological Reference interva |
| | кі | DNEY FUNCTI | ON TEST (COMPLETE) | |
| UREA: SERUM | | 15.05 | mg/dL | 10.00 - 50.00 |
| • | NATE DEHYDROGENASE (GLDH) | | | |
| CREATININE: SERUN by ENZYMATIC, SPEC | | 0.88 | mg/dL | 0.40 - 1.20 |
| - | DGEN (BUN): SERUM | 7.03 | mg/dL | 7.0 - 25.0 |
| by CALCULATED, SPE | ECTROPHOTOMETRY | | | |
| | OGEN (BUN)/CREATININE | 7.99 ^L | RATIO | 10.0 - 20.0 |
| RATIO: SERUM by CALCULATED, SPI | ECTROPHOTOMETRY | | | |
| UREA/CREATININE F | RATIO: SERUM | 17.1 | RATIO | |
| by CALCULATED, SPE URIC ACID: SERUM | ECTROPHOTOMETRY | 4.69 | ma/dl | 2.50 - 6.80 |
| by URICASE - OXIDAS | SE PEROXIDASE | 4.07 | mg/dL | 2.30 - 0.80 |
| CALCIUM: SERUM | | 9.88 | mg/dL | 8.50 - 10.60 |
| by ARSENAZO III, SPE PHOSPHOROUS: SER | | 2.91 | mg/dL | 2.30 - 4.70 |
| | DATE, SPECTROPHOTOMETRY | 2.71 | my/uL | 2.30 - 4.70 |
| ELECTROLYTES | | | | |
| sodium: serum | | 139.8 | mmol/L | 135.0 - 150.0 |
| by ISE (ION SELECTIV | | 2.00 | | |
| POTASSIUM: SERUM by ISE (ION SELECTIV | | 3.88 | mmol/L | 3.50 - 5.00 |
| CHLORIDE: SERUM | · | 104.85 | mmol/L | 90.0 - 110.0 |
| by ISE (ION SELECTIV | - | | | |
| | RULAR FILTERATION RATE | | | |
| ESTIMATED GLOME (eGFR): SERUM | RULAR FILTERATION RATE | 76.1 | | |
| by CALCULATED | | | | |
| | | | | |

INTERPRETATION:

To differentiate between pre- and post renal azotemia.

INCREASED RATIO (>20:1) WITH NORMAL CREATININE:

1. Prerenal azotemia (BUN rises without increase in creatinine) e.g. heart failure, salt depletion, dehydration, blood loss) due to decreased glomerular filtration rate.

2. Catabolic states with increased tissue breakdown.



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| | Dr. Vinay Ch MD (Pathology & Chairman & Cor | | Dr. Yugam Chopra MD (Pathology) CEO & Consultant Pathologist | | |
|--|---|--|--|--|------------------------|
| NAME | : Mrs. SUNITA KINRA | | | | |
| AGE/ GENDER | : 58 YRS/FEMALE | PA | TIENT ID | : 1602637 | |
| COLLECTED BY | : SURJESH | RI | G. NO./LAB NO. | :012409050027 | |
| REFERRED BY | : CENTRAL PHOENIX CLUB (A | | | | 5 AM |
| BARCODE NO. | : 01516330 | | LLECTION DATE | : 05/Sep/2024 10:4 | |
| CLIENT CODE. | : KOS DIAGNOSTIC LAB | | PORTING DATE | : 05/Sep/2024 11:3 | |
| | | | PORTING DATE | . 05/ Sep/ 2024 11.5 | 9AM |
| CLIENT ADDRESS | : 6349/1, NICHOLSON ROAD, | AMBALA CANTI | | | |
| Test Name | | Value | Unit | Biological | Reference interval |
| Reduced muscle m Certain drugs (e.g. INCREASED RATIO (>2 Postrenal azotemia Prerenal azotemia DECREASED RATIO (| xia, high fever). (e.g. ureter colostomy) lass (subnormal creatinine produ tetracycline, glucocorticoids) 20:1) WITH ELEVATED CREATININ a (BUN rises disproportionately r superimposed on renal disease. 10:1) WITH DECREASED BUN : | uction) E LEVELS: nore than creatinine) | | xicosis, Cushing's syndrom opathy). | ne, high protein diet, |
| 7. Urine reabsorption 8. Reduced muscle m 9. Certain drugs (e.g. INCREASED RATIO (> 2 1. Postrenal azotemia DECREASED RATIO (< 1. Acute tubular necr 2. Low protein diet 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 | xia, high fever). (e.g. ureter colostomy) (ass (subnormal creatinine produ- tetracycline, glucocorticoids) (0:1) WITH ELEVATED CREATININ (BUN rises disproportionately r superimposed on renal disease. (0:1) WITH DECREASED BUN : osis. nd starvation. e. creased urea synthesis. (urea rather than creatinine diffi- monemias (urea is virtually abse of inappropiate antidiuretic harm (0:1) WITH INCREASED CREATINII py (accelerates conversion of cr- eleases muscle creatinine). who develop renal failure. | uction) E LEVELS: nore than creatinine) uses out of extracellu ent in blood). none) due to tubular NE: | (e.g. obstructive uro ular fluid). secretion of urea. | | ne, high protein diet, |
| 7. Urine reabsorption 8. Reduced muscle m 9. Certain drugs (e.g. INCREASED RATIO (>2 1. Postrenal azotemia DECREASED RATIO (< 1. Acute tubular necr 2. Low protein diet al 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 | xia, high fever). (e.g. ureter colostomy) (ass (subnormal creatinine produ- tetracycline, glucocorticoids) (0:1) WITH ELEVATED CREATININ (BUN rises disproportionately r superimposed on renal disease. (0:1) WITH DECREASED BUN : osis. nd starvation. e. creased urea synthesis. (urea rather than creatinine diffi- monemias (urea is virtually abse of inappropiate antidiuretic harm (0:1) WITH INCREASED CREATINII py (accelerates conversion of cr- eleases muscle creatinine). who develop renal failure. : sis (acetoacetate causes false in | uction) E LEVELS: nore than creatinine) uses out of extracellu ent in blood). none) due to tubular NE: eatine to creatinine). | (e.g. obstructive uro ular fluid). secretion of urea. | opathy). | |
| 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 al 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 | xia, high fever). (e.g. ureter colostomy) (ass (subnormal creatinine produ- tetracycline, glucocorticoids) (0:1) WITH ELEVATED CREATININ (BUN rises disproportionately r superimposed on renal disease. (0:1) WITH DECREASED BUN : osis. nd starvation. e. creased urea synthesis. (urea rather than creatinine diffi- monemias (urea is virtually abse of inappropiate antidiuretic harm (0:1) WITH INCREASED CREATINII py (accelerates conversion of cr- eleases muscle creatinine). who develop renal failure. : sis (acetoacetate causes false in creased BUN/creatinine ratio). | uction) E LEVELS: nore than creatinine) uses out of extracellu ent in blood). none) due to tubular VE: eatine to creatinine). | (e.g. obstructive uro ular fluid). secretion of urea. | opathy). | |
| 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 al 3. Severe liver diseas 4. Other causes of de 5. Repeated dialysis 6. Inherited hyperam 7. SIADH (syndrome (8. Pregnancy. DECREASED RATIO (< 1. Phenacimide thera 2. Rhabdomyolysis (r 3. Muscular patients INAPPROPIATE RATIO 1. Diabetic ketoacido should produce an in 2. Cephalosporin theil | xia, high fever). (e.g. ureter colostomy) (ass (subnormal creatinine produ- tetracycline, glucocorticoids) (0:1) WITH ELEVATED CREATININ (BUN rises disproportionately r superimposed on renal disease. (0:1) WITH DECREASED BUN : osis. nd starvation. e. creased urea synthesis. (urea rather than creatinine diffi- monemias (urea is virtually abse of inappropiate antidiuretic harm (0:1) WITH INCREASED CREATINII py (accelerates conversion of cr- eleases muscle creatinine). who develop renal failure. : sis (acetoacetate causes false in | uction) E LEVELS: nore than creatinine) uses out of extracellu ent in blood). none) due to tubular NE: eatine to creatinine). | (e.g. obstructive uro ular fluid). secretion of urea. | opathy). | |

| CKD STAGE | DESCRIPTION | GFR (mL/min/1./3m2) | 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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|--------------------|--|--------------------------|--------------------------------------|
| NAME | : Mrs. SUNITA KINRA | | |
| AGE/ GENDER | : 58 YRS/FEMALE | PATIENT ID | : 1602637 |
| COLLECTED BY | : SURJESH | REG. NO./LAB NO. | : 012409050027 |
| REFERRED BY | : CENTRAL PHOENIX CLUB (AMBALA CANTT) | REGISTRATION DATE | : 05/Sep/2024 10:45 AM |
| BARCODE NO. | : 01516330 | COLLECTION DATE | : 05/Sep/2024 10:49AM |
| CLIENT CODE. | : KOS DIAGNOSTIC LAB | REPORTING DATE | : 05/Sep/2024 11:39AM |
| CLIENT ADDRESS | : 6349/1, NICHOLSON ROAD, AMBALA CANTT | ſ | |
| r | | | / |
| 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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| BARCODE NO. | : 01516330 | | COLLECTION DATE | : 05/Sep/2024 10:49AM |
| CLIENT CODE. | : KOS DIAGNOSTIC LAB | | REPORTING DATE | : 05/Sep/2024 11:25AM |
| CLIENT ADDRESS | : 6349/1, NICHOLSON ROAD, | AMBALA CANTT | | |
| Test Name | | Value | Unit | Biological Reference interva |
| | | CLINICAL | PATHOLOGY | |
| | URINE R | OUTINE & MIC | ROSCOPIC EXAMINAT | TION |
| PHYSICAL EXAMINA | TION | | | |
| QUANTITY RECIEVE | D | 10 | ml | |
| | TANCE SPECTROPHOTOMETRY | | | |
| COLOUR | | AMBER YE | LLOW | PALE YELLOW |
| | TANCE SPECTROPHOTOMETRY | | | |
| | TANCE SPECTROPHOTOMETRY | CLEAR | | CLEAR |
| SPECIFIC GRAVITY | TANCE SPECTROPHOTOMETRY | <=1.005 | | 1.002 - 1.030 |
| | TANCE SPECTROPHOTOMETRY | <=1.005 | | 1.002 1.000 |
| CHEMICAL EXAMINA | ATION | | | |
| REACTION | | ALKALINE | | |
| | TANCE SPECTROPHOTOMETRY | | | |
| PROTEIN | | Trace | | NEGATIVE (-ve) |
| • | TANCE SPECTROPHOTOMETRY | | | |
| SUGAR | | Negative | | NEGATIVE (-ve) |
| pH | TANCE SPECTROPHOTOMETRY | 7.5 | | 5.0 - 7.5 |
| 1 | TANCE SPECTROPHOTOMETRY | 7.5 | | 3.0 - 7.3 |
| BILIRUBIN | | Negative | | NEGATIVE (-ve) |
| • | TANCE SPECTROPHOTOMETRY | | | |
| NITRITE | | Negative | | NEGATIVE (-ve) |
| • | TANCE SPECTROPHOTOMETRY. | Normal | ETT/41 | 0.2 1.0 |
| UROBILINOGEN by DIP STICK/REFLEC | TANCE SPECTROPHOTOMETRY | Normal | EU/dL | 0.2 - 1.0 |
| KETONE BODIES | | Negative | | NEGATIVE (-ve) |
| | TANCE SPECTROPHOTOMETRY | gallo | | |
| BLOOD | | Negative | | NEGATIVE (-ve) |
| - | TANCE SPECTROPHOTOMETRY | | | |
| ASCORBIC ACID | | NEGATIVE | (-ve) | NEGATIVE (-ve) |
| MICROSCOPIC EXAN | TANCE SPECTROPHOTOMETRY | | | |

MICROSCOPIC EXAMINATION



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Dr. Yugam Chopra Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologist MD (Pathology) : Mrs. SUNITA KINRA : 58 YRS/FEMALE **PATIENT ID** : SURJESH REG. NO./LAB NO. : CENTRAL PHOENIX CLUB (AMBALA CANTT) **REGISTRATION DATE**

REFERRED BY BARCODE NO. CLIENT CODE. CLIENT ADDRESS

:01516330

: KOS DIAGNOSTIC LAB

: 6349/1, NICHOLSON ROAD, AMBALA CANTT

AGE/ GENDER

COLLECTED BY

NAME

COLLECTION DATE REPORTING DATE

CEO & Consultant Pathologist

:1602637 :012409050027 :05/Sep/2024 10:45 AM :05/Sep/2024 10:49AM :05/Sep/2024 11:25AM

| Test Name | Value | Unit | Biological Reference interval | |
|---|----------------|------|-------------------------------|--|
| RED BLOOD CELLS (RBCs) by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT | NEGATIVE (-ve) | /HPF | 0 - 3 | |
| PUS CELLS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT | 1-2 | /HPF | 0 - 5 | |
| EPITHELIAL CELLS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT | 2-3 | /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) | |
| DTHERS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT | NEGATIVE (-ve) | | NEGATIVE (-ve) | |
| TRICHOMONAS VAGINALIS (PROTOZOA) by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT | ABSENT | | ABSENT | |

End Of Report





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