

TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



| | Dr. Vinay Chopra MD (Pathology & Micr Chairman & Consultar | obiology) | | Yugam Cl MD (Pat onsultant Patl | hology) |
|-------------------------------------|--|-------------------|-----------------------|---------------------------------------|--------------------------------------|
| NAME | : Mr. SURINDER PAL | | | | |
| AGE/ GENDER | : 62 YRS/MALE | | PATIENT ID | : | 1702212 |
| COLLECTED BY | : SURJESH | | REG. NO./LAB NO |). : | 012412180021 |
| REFERRED BY | : | | REGISTRATION D | DATE : | 18/Dec/2024 10:46 AM |
| BARCODE NO. | : 01522620 | | COLLECTION DAT | | 18/Dec/2024 11:04AM |
| CLIENT CODE. | : KOS DIAGNOSTIC LAB | | REPORTING DAT | "Е : | 18/Dec/2024 11:18AM |
| CLIENT ADDRESS | : 6349/1, NICHOLSON ROAD, AMB | ALA CANTT | | | |
| Test Name | | Value | Un | nit | Biological Reference interval |
| | SWAST | THYA W | ELLNESS PAN | EL: G | |
| | COMP | PLETE BL | OOD COUNT (C | CBC) | |
| RED BLOOD CELLS | (RBCS) COUNT AND INDICES | | | | |
| HAEMOGLOBIN (H | | 15.8 | gn | m/dL | 12.0 - 17.0 |
| by CALORIMETRIC RED BLOOD CELL (| PBC) COUNT | 5.96 ^H | M | illions/cm | m 3.50 - 5.00 |
| by HYDRO DYNAMIC F | OCUSING, ELECTRICAL IMPEDENCE | | | | |
| PACKED CELL VOLU | JME (PCV) UTOMATED HEMATOLOGY ANALYZER | 49.8 | % |) | 40.0 - 54.0 |
| MEAN CORPUSCUL | AR VOLUME (MCV) | 83.5 | fL | | 80.0 - 100.0 |
| MEAN CORPUSCUL | UTOMATED HEMATOLOGY ANALYZER AR HAEMOGLOBIN (MCH) UTOMATED HEMATOLOGY ANALYZER | 26.5 ^L | pg | g | 27.0 - 34.0 |
| MEAN CORPUSCUL | AR HEMOGLOBIN CONC. (MCHC) UTOMATED HEMATOLOGY ANALYZER | 31.8 ^L | g/ | /dL | 32.0 - 36.0 |
| RED CELL DISTRIB | UTION WIDTH (RDW-CV) UTOMATED HEMATOLOGY ANALYZER | 14.6 | % |) | 11.00 - 16.00 |
| | UTION WIDTH (RDW-SD) utomated hematology analyzer | 45.6 | fL | | 35.0 - 56.0 |
| MENTZERS INDEX by CALCULATED | | 14.01 | RA | ATIO | BETA THALASSEMIA TRAIT: < 13.0 |
| | | | | | IRON DEFICIENCY ANEMIA: >13.0 |
| GREEN & KING IND | DEX | 20.45 | RA | ATIO | BETA THALASSEMIA TRAIT:<= |
| by CALCULATED | | | | | 65.0 IRON DEFICIENCY ANEMIA: > |
| | | | | | 65.0 |
| WHITE BLOOD CE | | | | | |
| TOTAL LEUCOCYTE | COUNT (TLC) / by sf cube & microscopy | 7900 | /c | cmm | 4000 - 11000 |
| | SLOOD CELLS (nRBCS) RT HEMATOLOGY ANALYZER | NIL | | | 0.00 - 20.00 |
| , | SLOOD CELLS (nRBCS) % | NIL | % |) | < 10 % |
| | UTOMATED HEMATOLOGY ANALYZER | | | | |
| | | | | | |
| | | | | | |





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| DIFFERENTIAL L | EUCOCYTE COUNT (DLC) | | | |
| NEUTROPHILS by FLOW CYTOMETE | RY BY SF CUBE & MICROSCOPY | 63 | % | 50 - 70 |
| LYMPHOCYTES by FLOW CYTOMET | RY BY SF CUBE & MICROSCOPY | 28 | % | 20 - 40 |
| EOSINOPHILS by FLOW CYTOMET | RY BY SF CUBE & MICROSCOPY | 3 | % | 1 - 6 |
| MONOCYTES | RY BY SF CUBE & MICROSCOPY | 6 | % | 2 - 12 |
| BASOPHILS | RY BY SF CUBE & MICROSCOPY | 0 | % | 0 - 1 |
| ABSOLUTE LEUK | <u>OCYTES (WBC) COUNT</u> | | | |
| ABSOLUTE NEUTI | ROPHIL COUNT ry by sf cube & microscopy | 4977 | /cmm | 2000 - 7500 |
| ABSOLUTE LYMPI by FLOW CYTOMETR | HOCYTE COUNT RY BY SF CUBE & MICROSCOPY | 2212 | /cmm | 800 - 4900 |
| ABSOLUTE EOSIN by FLOW CYTOMET | OPHIL COUNT RY BY SF CUBE & MICROSCOPY | 237 | /cmm | 40 - 440 |
| ABSOLUTE MONO by FLOW CYTOMETE | CYTE COUNT RY BY SF CUBE & MICROSCOPY | 474 | /cmm | 80 - 880 |
| ABSOLUTE BASOF by FLOW CYTOMETE | PHIL COUNT RY BY SF CUBE & MICROSCOPY | 0 | /cmm | 0 - 110 |
| PLATELETS AND | OTHER PLATELET PREDICTIVE | MARKERS. | | |
| PLATELET COUNT by hydro dynamic | (PLT) | 252000 | /cmm | 150000 - 450000 |
| PLATELETCRIT (F | PCT) FOCUSING, ELECTRICAL IMPEDENCE | 0.29 | % | 0.10 - 0.36 |
| MEAN PLATELET by HYDRO DYNAMIC | VOLUME (MPV) FOCUSING, ELECTRICAL IMPEDENCE | 12 | fL | 6.50 - 12.0 |
| | CELL COUNT (P-LCC) FOCUSING, ELECTRICAL IMPEDENCE | 93000 ^H | /cmm | 30000 - 90000 |
| | E CELL RATIO (P-LCR) FOCUSING, ELECTRICAL IMPEDENCE | 37 | % | 11.0 - 45.0 |
| by HYDRO DYNAMIC | IBUTION WIDTH (PDW) FOCUSING, ELECTRICAL IMPEDENCE | 16.5 | % | 15.0 - 17.0 |

by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD



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| Test Name | | /alue Unit | Biological Reference interval |



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| Test Name | | Value | Unit | Biological Reference interva |
| | GLYCO | | | |
| GLYCOSYLATED HA WHOLE BLOOD by HPLC (HIGH PERFOI | EMOGLOBIN (HbA1c): | OSYLATED HAEMO 6 | OGLOBIN (HBA10 % | C) 4.0 - 6.4 |
| GLYCOSYLATED HA WHOLE BLOOD by HPLC (HIGH PERFOI ESTIMATED AVERA by HPLC (HIGH PERFOI | EMOGLOBIN (HbA1c): | SYLATED HAEMO |)GLOBIN (HBA1(| C) |
| GLYCOSYLATED HA WHOLE BLOOD by HPLC (HIGH PERFOI ESTIMATED AVERA by HPLC (HIGH PERFOI INTERPRETATION: | EMOGLOBIN (HbA1c): RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN | DSYLATED HAEMO 6 125.5 DIABETES ASSOCIATION | DGLOBIN (HBA10 % mg/dL | 2) 4.0 - 6.4 60.00 - 140.00 |
| GLYCOSYLATED HA WHOLE BLOOD by HPLC (HIGH PERFOI ESTIMATED AVERA by HPLC (HIGH PERFOI INTERPRETATION: | EMOGLOBIN (HbA1c): RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN I REFERENCE GROUP | DSYLATED HAEMO 6 125.5 DIABETES ASSOCIATION | OGLOBIN (HBA1(% mg/dL (ADA): YLATED HEMOGLOGIB | 2) 4.0 - 6.4 60.00 - 140.00 |
| GLYCOSYLATED HA WHOLE BLOOD by HPLC (HIGH PERFOI ESTIMATED AVERA by HPLC (HIGH PERFOI INTERPRETATION: NOT dia | EMOGLOBIN (HbA1c): RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN REFERENCE GROUP abetic Adults >= 18 years | DSYLATED HAEMO 6 125.5 DIABETES ASSOCIATION | DGLOBIN (HBA1(% mg/dL (ADA): YLATED HEMOGLOGIB <5.7 | 2) 4.0 - 6.4 60.00 - 140.00 |
| GLYCOSYLATED HA WHOLE BLOOD by HPLC (HIGH PERFOI ESTIMATED AVERA by HPLC (HIGH PERFOI NTERPRETATION: NOT DIA Non dia A | EMOGLOBIN (HbA1c): RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN REFERENCE GROUP abetic Adults >= 18 years t Risk (Prediabetes) | DSYLATED HAEMO 6 125.5 DIABETES ASSOCIATION | DGLOBIN (HBA1(% mg/dL (ADA): YLATED HEMOGLOGIB <5.7 5.7 - 6.4 | 2) 4.0 - 6.4 60.00 - 140.00 |
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| GLYCOSYLATED HA WHOLE BLOOD by HPLC (HIGH PERFOI ESTIMATED AVERA by HPLC (HIGH PERFOI INTERPRETATION: NOT DIA NON dia A D | EMOGLOBIN (HbA1c): RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN REFERENCE GROUP abetic Adults >= 18 years t Risk (Prediabetes) iagnosing Diabetes | DSYLATED HAEMO 6 125.5 DIABETES ASSOCIATION GLYCOSY Goals of The | DGLOBIN (HBA10 % mg/dL (ADA): YLATED HEMOGLOGIB <5.7 5.7 – 6.4 >= 6.5 Age > 19 Years erapy: | C) 4.0 - 6.4 60.00 - 140.00 (HBAIC) in % |
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KOS Diagnostic Lab

(A Unit of KOS Healthcare)

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 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 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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| 'est Name | | | Value | Unit | Biological Reference interval |
| ystemic lupus eryth CONDITION WITH LO A low ESR can be see polycythaemia), sign s sickle cells in sick AOTE: . ESR and C - reactiv 2. Generally, ESR doe | be used to moni ematosus W ESR In with condition hificantly high w le cell anaemia) e protein (C-RP) es not change as by as many othe | is that inhibit the hite blood cell co also lower the ES are both markers rapidly as does C er factors as is ESF | normal sedimer unt (leucocytosis R. of inflammation RP, either at the X. making it a bet | itation of red blood cells, s) , and some protein abr l. start of inflammation or ter marker of inflammati | above diseases as well as some others, such as such as a high red blood cell count normalities. Some changes in red cell shape (such as it resolves. |
| If the ESR is elevat | LINE A LINE AN ECO | and the standard of the | | can cause temporary elev | |





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| Test Name | | Value | Unit | Biological Reference interval |
| | CLINI | CAL CHEMISTI GLUCOSE FA | RY/BIOCHEMIST ASTING (F) | 'nY |
| GLUCOSE FASTING by GLUCOSE OXIDAS | G (F): PLASMA E - PEROXIDASE (GOD-POD) | 107.29 ^H | mg/dL | NORMAL: < 100.0 PREDIABETIC: 100.0 - 125.0 DIABETIC: > 0R = 126.0 |

KOS Diagnostic Lab (A Unit of KOS Healthcare)

IN ACCRDANCE WITH AMERICAN DIABETES ASSOCIATION GUIDELINES: 1. A fasting plasma glucose level below 100 mg/dl is considered normal. 2. 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. 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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| | | | FILE : BASIC | |
| CHOLESTEROL TO | TAL · SEDUM | 175.72 | | OPTIMAL: < 200.0 |
| by CHOLESTEROL 10 | | 175.72 | mg/dL | BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR = |
| TRIGLYCERIDES: S | ERUM | 144.19 | mg/dL | 240.0 OPTIMAL: < 150.0 |
| by GLYCEROL PHOSE | PHATE OXIDASE (ENZYMATIC) | | 0 | BORDERLINE HIGH: 150.0 - 199.0 HIGH: 200.0 - 499.0 |
| UDI CUOLESTEDO | L (DIRECT): SERUM | 38.25 | ma /dI | VERY HIGH: > OR = 500.0 LOW HDL: < 30.0 |
| by SELECTIVE INHIBIT | | 36.23 | mg/dL | BORDERLINE HIGH HDL: 30.0 60.0 |
| | | | | HIGH HDL: $> OR = 60.0$ |
| LDL CHOLESTERO | | 108.63 | mg/dL | OPTIMAL: < 100.0 ABOVE OPTIMAL: 100.0 - 129.0 BORDERLINE HIGH: 130.0 - |
| | | | | 159.0 HIGH: 160.0 - 189.0 |
| | | п | . ()] | VERY HIGH: $> OR = 190.0$ |
| NON HDL CHOLES' by Calculated, SPE | TEROL: SERUM ECTROPHOTOMETRY | 137.47 ^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 CHOLESTER | | 28.84 | mg/dL | 0.00 - 45.00 |
| TOTAL LIPIDS: SEI | есткорнотометку RUM есткорнотометку | 495.63 | mg/dL | 350.00 - 700.00 |
| CHOLESTEROL/HI | | 4.59 ^H | RATIO | LOW RISK: 3.30 - 4.40 AVERAGE RISK: 4.50 - 7.0 MODERATE RISK: 7.10 - 11.0 HIGH RISK: > 11.0 |

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| LDL/HDL RATIO: S by CALCULATED, SPE | | 2.84 | RATIO | LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0 |
| TRIGLYCERIDES/H by CALCULATED, SPE | | 3.77 | 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.

 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.
 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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| | Dr. Vinay Chop MD (Pathology & Mic Chairman & Consult | crobiology) | | (Pathology) |
|---|--|--------------|------------------------------------|--|
| NAME | : Mr. SURINDER PAL | | | |
| AGE/ GENDER | : 62 YRS/MALE | | PATIENT ID | : 1702212 |
| COLLECTED BY | : SURJESH | | REG. NO./LAB NO. | : 012412180021 |
| REFERRED BY | : | | REGISTRATION DATE | : 18/Dec/2024 10:46 AM |
| BARCODE NO. | : 01522620 | | COLLECTION DATE | : 18/Dec/2024 11:04AM |
| CLIENT CODE. | : KOS DIAGNOSTIC LAB | | REPORTING DATE | : 18/Dec/2024 12:21PM |
| CLIENT ADDRESS | : 6349/1, NICHOLSON ROAD, AM | BALA CANT | Т | |
| Test Name | | Value | Unit | Biological Reference interval |
| | | 0.64 0.21 | DN TEST (COMPLETE) mg/dL | INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20 0.00 - 0.40 |
| | I (CONJUGATED): SERUM SPECTROPHOTOMETRY | 0.21 | mg/dL | 0.00 - 0.40 |
| BILIRUBIN INDIRE | ECT (UNCONJUGATED): SERUM | 0.43 | mg/dL | 0.10 - 1.00 |
| SGOT/AST: SERUM by IFCC, WITHOUT PY | [/RIDOXAL PHOSPHATE | 31.8 | U/L | 7.00 - 45.00 |
| SGPT/ALT: SERUM | [/RIDOXAL PHOSPHATE | 45.6 | U/L | 0.00 - 49.00 |
| AST/ALT RATIO: S by CALCULATED, SPI | ERUM ECTROPHOTOMETRY | 0.7 | RATIO | 0.00 - 46.00 |
| ALKALINE PHOSP by Para Nitrophen propanol | HATASE: SERUM IYL PHOSPHATASE BY AMINO METHYL | 76.57 | U/L | 40.0 - 130.0 |
| GAMMA GLUTAMY by SZASZ, SPECTRO | L TRANSFERASE (GGT): SERUM PHTOMETRY | 46.47 | U/L | 0.00 - 55.0 |
| TOTAL PROTEINS: by BIURET, SPECTRO | SERUM | 7.29 | gm/dL | 6.20 - 8.00 |
| ALBUMIN: SERUM by BROMOCRESOL G | | 4.31 | gm/dL | 3.50 - 5.50 |
| GLOBULIN: SERUN by CALCULATED, SPI | I ECTROPHOTOMETRY | 2.98 | gm/dL | 2.30 - 3.50 |
| A : G RATIO: SERU | M Ectrophotometry | 1.45 | 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:

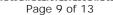
| DRUG HEPATOTOXICITY | > 2 |
|--|----------------------------|
| ALCOHOLIC HEPATITIS | > 2 (Highly Suggestive) |
| CIRRHOSIS | 1.4 - 2.0 |
| INTRAHEPATIC CHOLESTATIS | > 1.5 |
| HEPATOCELLULAR CARCINOMA & CHRONIC HEPATITIS | > 1.3 (Slightly Increased) |





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| 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).

| 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 |
| | KIDNI | EY FUNCTION T | 'EST (COMPLETE) | |
| UREA: SERUM | | 32.61 | mg/dL | 10.00 - 50.00 |
| • | MATE DEHYDROGENASE (GLDH) | 1.10 | | 0.40 1.40 |
| CREATININE: SERU by ENZYMATIC, SPEC | | 1.16 | mg/dL | 0.40 - 1.40 |
| | ROGEN (BUN): SERUM | 15.24 | mg/dL | 7.0 - 25.0 |
| by CALCULATED, SPE BLOOD URFA NITE | ECTROPHOTOMETRY ROGEN (BUN)/CREATININE | 13.14 | RATIO | 10.0 - 20.0 |
| RATIO: SERUM | COULIN (DOIN)/ OREATINGINE | 10.14 | initio | 10.0 20.0 |
| by CALCULATED, SPE | | 00.11 | DATIO | |
| UREA/CREATININ by CALCULATED, SPE | | 28.11 | RATIO | |
| URIC ACID: SERUM | | 6.83 | mg/dL | 3.60 - 7.70 |
| by URICASE - OXIDAS CALCIUM: SERUM | SE PEROXIDASE | 9.96 | mg/dL | 8.50 - 10.60 |
| by ARSENAZO III, SPECTROPHOTOMETRY | | 5.50 | ilig/ uL | |
| PHOSPHOROUS: SERUM by PHOSPHOMOLYBDATE, SPECTROPHOTOMETRY | | 3.48 | mg/dL | 2.30 - 4.70 |
| ELECTROLYTES | ATE, SI ECHNOI HOTOMEINT | | | |
| SODIUM: SERUM | | 141.2 | mmol/L | 135.0 - 150.0 |
| by ISE (ION SELECTIVE ELECTRODE) | | 4.15 | 1./7 | |
| OTASSIUM: SERUM by ISE (ION SELECTIVE ELECTRODE) | | 4.15 | mmol/L | 3.50 - 5.00 |
| HLORIDE: SERUM | | 105.9 | mmol/L | 90.0 - 110.0 |
| by ISE (ION SELECTIV | 'E ELECTRODE) 1ERULAR FILTERATION RATE | | | |
| | | | | |
| egfr): Serum | ERULAR FILTERATION RATE | 71.2 | | |
| by CALCULATED | | | | |
| INTERPRETATION: | icon pro, and past ronal azotomia | | | |

To differentiate between pre- and post renal azotemia.

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

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

2. Catabolic states with increased tissue breakdown.

3. GI haemorrhage.



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| Test Name | | | Value | Ur | nit | Biolo | gical Refere | ence interv |
| 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 (<1 | kia, high fever) (e.g. ureter co ass (subnorma tetracycline, g D:1) WITH ELEV (BUN rises dis superimposed D:1) WITH DEC | lostomy) I creatinine productio lucocorticoids) /ATED CREATININE LEV proportionately more on renal disease. |)) ELS: | | | | drome, high | protein diet |
| burns, surgery, cache 7. Urine reabsorption 8. Reduced muscle m 9. Certain drugs (e.g. NCREASED RATIO (>2 1. Postrenal azotemia DECREASED RATIO (<1 1. Acute tubular necro 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 (ro 3. Muscular patients NAPPROPIATE RATIO 1. Diabetic ketoacido should produce an ind 2. Cephalosporin ther ESTIMATED GLOMERU CKD STAGE G1 | e or production kia, high fever) (e.g. ureter co ass (subnorman tetracycline, g D:1) WITH ELEV (BUN rises dis- superimposed 0:1) WITH DEC Disis. d starvation. creased urea s urea rather than nonemias (urea f inappropiate 0:1) WITH INCI by (accelerates eleases muscle who develop r sis (acetoaceta treased BUN/co apy (interferes LAR FILTERATION Noted the second tereased BUN/co app (interferes LAR FILTERATION Noted the second tereased BUN/co app (interferes LAR FILTERATION Noted the second tereased BUN/co app (interferes LAR FILTERATION Noted tereased tereased BUN/co tereased BUN/co terea | lostomy) l creatinine productio lucocorticoids) ATED CREATININE LEV proportionately more on renal disease. REASED BUN : ynthesis. an creatinine diffuses ea is virtually absent ir antidiuretic harmone) REASED CREATININE: conversion of creatin e creatinine). enal failure. te causes false increat reatinine ratio). with creatinine measu DESCRIPTION prmal kidney function | e in creatinin rement). | e) (e.g. obstructive llular fluid). ar secretion of urea e). e with certain me <u>/min/1.73m2)</u> >90 | e uropathy) a. thodologies | ,resulting in n ATED FINDING proteinuria | ormal ratio v | |
| 2. Urine reabsorption 3. Reduced muscle m 4. Certain drugs (e.g. NCREASED RATIO (>2 1. Postrenal azotemia DECREASED RATIO (<1 1. Acute tubular necro 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 (ro 8. Muscular patients 1. Diabetic ketoacido 5. Nould produce an ind 2. Cephalosporin ther ESTIMATED GLOMERLI OKD STAGE | e or production is a p | Iostomy) I creatinine productio Iucocorticoids) VATED CREATININE LEV proportionately more on renal disease. REASED BUN : An creatinine diffuses as is virtually absent ir antidiuretic harmone) REASED CREATININE: conversion of creatin creatinine). enal failure. te causes false increat reatinine ratio). with creatinine measu ON RATE: DESCRIPTION | e in creatinin rement). | e) (e.g. obstructive llular fluid). ar secretion of urea e). e with certain me _/min/1.73m2) | e uropathy) a. thodologies | ,resulting in n | ormal ratio v | |
| Courns, surgery, cache Curine reabsorption Reduced muscle m Certain drugs (e.g. NCREASED RATIO (>2 Prerenal azotemia DECREASED RATIO (<1 Acute tubular necro Courner disease Courner dis | e or production is an analysis of the set o | Iostomy) I creatinine productio Iucocorticoids) VATED CREATININE LEV proportionately more on renal disease. REASED BUN : ynthesis. an creatinine diffuses ta is virtually absent ir antidiuretic harmone) REASED CREATININE: a conversion of creatin a creatinine). enal failure. te causes false increating creatinine ratio). with creatinine measu <u>D RATE:</u> <u>DESCRIPTION</u> yrmal kidney function (idney damage with hormal or high GFR fild decrease in GFR_ | b) ELS: than creatinin but of extrace blood). due to tubula e to creatinine e in creatinine rement). GFR (ml | e) (e.g. obstructive llular fluid). ar secretion of urea e). e with certain me <u>/min/1.73m2)</u> >90 >90 60 -89 | e uropathy) a. thodologies | resulting in n Aresulting in n ATED FINDING proteinuria ace of Protein | ormal ratio v | |
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| Test Name | v | alue Unit | Biological Reference interva |

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

End Of Report ***





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