



| | Dr. Vinay Chopra MD (Pathology & Micr Chairman & Consultar | obiology) | | (Pathology) | |
|---|---|-------------------|--|-------------|---|
| AGE/ GENDER : 41 COLLECTED BY : SU REFERRED BY : BARCODE NO. : 01 CLIENT CODE. : KO | I rs. MANPREET KAUR I YRS/FEMALE JRJESH I523075 OS DIAGNOSTIC LAB 349/1, NICHOLSON ROAD, AMB/ | ALA CANTT | PATIENT ID REG. NO./LAB NO. REGISTRATION DATE COLLECTION DATE REPORTING DATE | :27/Dec/2 | 2 70014 2024 10:42 AM 2024 10:44AM 2024 11:02AM |
| Fest Name | | Value | Unit | В | iological Reference interval |
| | СОМР | | LLNESS PANEL: 1. OOD COUNT (CBC) | 5 | |
| KED BLOOD CELLS (RE HAEMOGLOBIN (HB) | <u>BCS) COUNT AND INDICES</u> | 12.9 | gm/dL | 1 | 2.0 - 16.0 |
| by CALORIMETRIC | COUNT | 4.58 | Millions | /cmm 3 | .50 - 5.00 |
| | SING, ELECTRICAL IMPEDENCE | 40.9 | % | | 7.0 - 50.0 |
| | ATED HEMATOLOGY ANALYZER | 89.2 | fL | | 0.0 - 100.0 |
| by CALCULATED BY AUTON | NATED HEMATOLOGY ANALYZER | | | | |
| IEAN CORPUSCULAR H | IAEMOGLOBIN (MCH) nated hematology analyzer | 28.1 | pg | 2 | 7.0 - 34.0 |
| | IEMOGLOBIN CONC. (MCHC) MATED HEMATOLOGY ANALYZER | 31.5 ^L | g/dL | 3 | 2.0 - 36.0 |
| ED CELL DISTRIBUTIO | N WIDTH (RDW-CV) MATED HEMATOLOGY ANALYZER | 13.6 | % | 1 | 1.00 - 16.00 |
| ED CELL DISTRIBUTIO | N WIDTH (RDW-SD) | 45.6 | fL | 3 | 5.0 - 56.0 |
| by CALCULATED BY AUTOM MENTZERS INDEX by CALCULATED | MATED HEMATOLOGY ANALYZER | 19.48 | RATIO | 1 I | ETA THALASSEMIA TRAIT: < 3.0 RON DEFICIENCY ANEMIA: 13.0 |
| GREEN & KING INDEX | (17005) | 26.43 | RATIO | E 6 I | SETA THALASSEMIA TRAIT:<: 5.0 RON DEFICIENCY ANEMIA: > 5.0 |
| <u> NHITE BLOOD CELLS (</u> | | 5030 | /cmm | 4 | .000 - 11000 |
| TOTAL LEUCOCYTE COL | | | | _ | |
| COTAL LEUCOCYTE COU by flow cytometry by S NUCLEATED RED BLOO | | NIL | | 0 | .00 - 20.00 |

KOS Diagnostic Lab (A Unit of KOS Healthcare)





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

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



Page 1 of 25





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

| NAME | : Mrs. MANPREET KAUR | | |
|--------------------|---------------------------------------|--------------------------|------------------------|
| AGE/ GENDER | : 41 YRS/FEMALE | PATIENT ID | : 1709953 |
| COLLECTED BY | : SURJESH | REG. NO./LAB NO. | : 012412270014 |
| REFERRED BY | : | REGISTRATION DATE | : 27/Dec/2024 10:42 AM |
| BARCODE NO. | : 01523075 | COLLECTION DATE | : 27/Dec/2024 10:44AM |
| CLIENT CODE. | : KOS DIAGNOSTIC LAB | REPORTING DATE | : 27/Dec/2024 11:02AM |
| CLIENT ADDRESS | : 6349/1, NICHOLSON ROAD, AMBALA CANT | Г | |
| | | | |

Dr. Vinay Chopra

MD (Pathology & Microbiology) Chairman & Consultant Pathologist

| Test Name | | Value | Unit | Biological Reference interval |
|--|---------------------------|---------------------|------|--------------------------------------|
| DIFFERENTIAL LEUCOCYT | E COUNT (DLC) | | | |
| NEUTROPHILS by FLOW CYTOMETRY BY SF CU | IBE & MICROSCOPY | 51 | % | 50 - 70 |
| LYMPHOCYTES by FLOW CYTOMETRY BY SF CU | | 39 | % | 20 - 40 |
| EOSINOPHILS by FLOW CYTOMETRY BY SF CU | IBE & MICROSCOPY | 4 | % | 1 - 6 |
| MONOCYTES by FLOW CYTOMETRY BY SF CU | IBE & MICROSCOPY | 6 | % | 2 - 12 |
| BASOPHILS by FLOW CYTOMETRY BY SF CU | | 0 | % | 0 - 1 |
| ABSOLUTE LEUKOCYTES (| <u>WBC) COUNT</u> | | | |
| ABSOLUTE NEUTROPHIL CO by FLOW CYTOMETRY BY SF CU | | 2565 | /cmm | 2000 - 7500 |
| ABSOLUTE LYMPHOCYTE C by FLOW CYTOMETRY BY SF CU | | 1962 | /cmm | 800 - 4900 |
| ABSOLUTE EOSINOPHIL CO by FLOW CYTOMETRY BY SF CU | IBE & MICROSCOPY | 201 | /cmm | 40 - 440 |
| ABSOLUTE MONOCYTE COU by FLOW CYTOMETRY BY SF CU | IBE & MICROSCOPY | 302 | /cmm | 80 - 880 |
| ABSOLUTE BASOPHIL COUN by FLOW CYTOMETRY BY SF CU | IBE & MICROSCOPY | 0 | /cmm | 0 - 110 |
| PLATELETS AND OTHER P | <u>LATELET PREDICTIVI</u> | <u>E MARKERS.</u> | | |
| PLATELET COUNT (PLT) by HYDRO DYNAMIC FOCUSING, | ELECTRICAL IMPEDENCE | 318000 | /cmm | 150000 - 450000 |
| PLATELETCRIT (PCT) by HYDRO DYNAMIC FOCUSING, | | 0.39 ^H | % | 0.10 - 0.36 |
| MEAN PLATELET VOLUME (by HYDRO DYNAMIC FOCUSING, | ELECTRICAL IMPEDENCE | 12 ^H | fL | 6.50 - 12.0 |
| PLATELET LARGE CELL CO by HYDRO DYNAMIC FOCUSING, | ELECTRICAL ÍMPEDENCE | 135000 ^H | /cmm | 30000 - 90000 |
| PLATELET LARGE CELL RA' by HYDRO DYNAMIC FOCUSING, | ELECTRICAL IMPEDENCE | 42.4 | % | 11.0 - 45.0 |
| PLATELET DISTRIBUTION V by HYDRO DYNAMIC FOCUSING, NOTE: TEST CONDUCTED ON | ELECTRICAL IMPEDENCE | 15.8 | % | 15.0 - 17.0 |



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





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| Test Name | | Value | Unit | Biological Reference interv |
| | GLYC | OSYLATED HAEMO | GLOBIN (HBA10 | C) |
| WHOLE BLOOD | EMOGLOBIN (HbA1c): | 5.4 | % | 4.0 - 6.4 |
| ESTIMATED AVERA | GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY) | 108.28 | mg/dL | 60.00 - 140.00 |
| <u>INTERPRETATION:</u> | | DIABETES ASSOCIATION (| | |
| | AS PER AWERICAN | | (ADA): LATED HEMOGLOGIB | (HBAIC) in % |
| | abetic Adults >= 18 years | 3210031 | <5.7 | |
| | t Risk (Prediabetes) | | 5.7 - 6.4 | |
| | iagnosing Diabetes | | >= 6.5 | |
| | | | Age > 19 Years | |
| | | Goals of The | | < 7.0 |
| Therapeut | ic goals for glycemic control | Actions Sugge | | >8.0 |
| | | | Age < 19 Years | |
| | | Goal of ther | | <7.5 |

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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| LIENT ADDRESS | : 6349/1, NICHOLSON ROAD | , AMBALA CANTT | | |
| Fest Name | | Value | Unit | Biological Reference interval |
| by RED CELL AGGRE NTERPRETATION: I. ESR is a non-specif mmune disease, but 2. An ESR can be affe as C-reactive protein | does not tell the health practiti acted by other conditions beside be used to monitor disease acti | ult often indicates oner exactly where s inflammation. Fo | e the inflammation is in the r this reason, the ESR is ty | hr 0 - 20 ion associated with infection, cancer and auto- |











| | | hopra & Microbiology) onsultant Pathologist | Dr. Yugam MD CEO & Consultant | (Pathology) |
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| CLIENT ADDRESS | : 6349/1, NICHOLSON ROAD |), AMBALA CANTT | | |
| Test Name | | Value | Unit | Biological Reference interval |
| | CLINI | ICAL CHEMIST | RY/BIOCHEMIST ASTING (F) | 'nY |
| GLUCOSE FASTING by GLUCOSE OXIDAS | (F): PLASMA E - PEROXIDASE (GOD-POD) | 96.65 | mg/dL | NORMAL: < 100.0 PREDIABETIC: 100.0 - 125.0 DIABETIC: > 0R = 126.0 |

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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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT





| Test Name | E PA RI RI CC TIC LAB RI OLSON ROAD, AMBALA CANTT Value | ATIENT ID 3G. NO./LAB NO. 3GISTRATION DATE DLLECTION DATE SPORTING DATE Unit | : 1709953 : 012412270014 : 27/Dec/2024 10:42 AM : 27/Dec/2024 10:44AM : 27/Dec/2024 12:33PM Biological Reference interval |
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| COLLECTED BY : SURJESH REFERRED BY : BARCODE NO. : 01523075 CLIENT CODE. : KOS DIAGNOST CLIENT ADDRESS : 6349/1, NICHO Test Name | RI RI CC CTC LAB RI DLSON ROAD, AMBALA CANTT Value | EG. NO./LAB NO. EGISTRATION DATE DLLECTION DATE EPORTING DATE | : 012412270014 : 27/Dec/2024 10:42 AM : 27/Dec/2024 10:44AM : 27/Dec/2024 12:33PM |
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| Test Name | Value | Unit | Riological Reference interval |
| | | Unit | Biological Reference interval |
| | | | Diviogical Weiel Chice Intel Val |
| | LIPID PROF | ILE : BASIC | |
| CHOLESTEROL TOTAL: SERUM | 168.69 | mg/dL | OPTIMAL: < 200.0 |
| by CHOLESTEROL OXIDASE PAP | | 8 | BORDERLINE HIGH: 200.0 - |
| | | | 239.0 HIGH CHOLESTEROL: > OR = |
| | | | 240.0 |
| TRIGLYCERIDES: SERUM | 147.23 | mg/dL | OPTIMAL: < 150.0 |
| by GLYCEROL PHOSPHATE OXIDASE (ENZ | YMATIC) | | BORDERLINE HIGH: 150.0 - 199.0 |
| | | | HIGH: 200.0 - 499.0 |
| | | / 17 | VERY HIGH: $> OR = 500.0$ |
| HDL CHOLESTEROL (DIRECT): SERU | JM 49.78 | mg/dL | LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 |
| | | | 60.0 |
| | 00.40 | (17 | HIGH HDL: $> OR = 60.0$ |
| LDL CHOLESTEROL: SERUM by CALCULATED, SPECTROPHOTOMETRY | 89.46 | 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 CHOLESTEROL: SERUM | 118.91 | mg/dL | OPTIMAL: < 130.0 |
| by CALCULATED, SPECTROPHOTOMETRY | | | ABOVE OPTIMAL: 130.0 - 159.0 BORDERLINE HIGH: 160.0 - |
| | | | 189.0 |
| | | | HIGH: 190.0 - 219.0 |
| VLDL CHOLESTEROL: SERUM | 29.45 | mg/dI | VERY HIGH: > OR = 220.0 0.00 - 45.00 |
| by CALCULATED, SPECTROPHOTOMETRY | | mg/dL | 0.00 - 43.00 |
| TOTAL LIPIDS: SERUM by calculated, spectrophotometry | 484.61 | mg/dL | 350.00 - 700.00 |
| CHOLESTEROL/HDL RATIO: SERUN | | RATIO | LOW RISK: 3.30 - 4.40 |
| by CALCULATED, SPECTROPHOTOMETRY | | | AVERAGE RISK: 4.50 - 7.0 |
| | | | MODERATE RISK: 7.10 - 11.0 HIGH RISK: > 11.0 |
| | | | HIGHRISK > 11.0 |



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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





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| Test Name | | Value | Unit | Biological Reference interval |
| LDL/HDL RATIO: S | | 1.8 | RATIO | LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0 |
| TRIGLYCERIDES/H by CALCULATED, SPE | IDL RATIO: SERUM ECTROPHOTOMETRY | 2.96 ^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.

 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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| | | | | |
| Test Name | | Value | Unit | Biological Reference interval |
| | | | | |
| | LIVER | FUNCTION ' | TEST (COMPLETE) | |
| BILIRUBIN TOTAL: by DIAZOTIZATION, SF | SERUM PECTROPHOTOMETRY | 0.38 | mg/dL | INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20 |
| | C (CONJUGATED): SERUM | 0.11 | mg/dL | 0.00 - 0.40 |
| - | CT (UNCONJUGATED): SERUM | 0.27 | mg/dL | 0.10 - 1.00 |
| SGOT/AST: SERUM by IFCC, WITHOUT PY | RIDOXAL PHOSPHATE | 18.9 | U/L | 7.00 - 45.00 |
| SGPT/ALT: SERUM by IFCC, WITHOUT PY | RIDOXAL PHOSPHATE | 22.1 | U/L | 0.00 - 49.00 |
| AST/ALT RATIO: SI | ERUM | 0.86 | RATIO | 0.00 - 46.00 |
| ALKALINE PHOSPH by PARA NITROPHENT PROPANOL | IATASE: SERUM yl phosphatase by amino methyl | 75.84 | U/L | 40.0 - 130.0 |
| GAMMA GLUTAMY | L TRANSFERASE (GGT): SERUM | 28.85 | U/L | 0.00 - 55.0 |
| TOTAL PROTEINS: by BIURET, SPECTRON | | 6.73 | gm/dL | 6.20 - 8.00 |
| ALBUMIN: SERUM | | 4.94 | gm/dL | 3.50 - 5.50 |
| GLOBULIN: SERUM | 1 | 1.79 ^L | gm/dL | 2.30 - 3.50 |
| by CALCULATED, SPE A : G RATIO: SERUN | I | 2.76 ^H | RATIO | 1.00 - 2.00 |

by CALCULATED, SPECTROPHOTOMETRY

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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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 |



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

MBBS, MD (PATHOLOGY)

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| | Dr. Vinay Cho MD (Pathology & I Chairman & Consu | Microbiology) | Dr. Yugam MD CEO & Consultant | (Pathology) |
|--|--|---------------|-------------------------------------|------------------------------|
| NAME | : Mrs. MANPREET KAUR | | | |
| AGE/ GENDER | : 41 YRS/FEMALE | PA | FIENT ID | : 1709953 |
| COLLECTED BY | : SURJESH | RE | G. NO./LAB NO. | :012412270014 |
| REFERRED BY | : | RE | GISTRATION DATE | : 27/Dec/2024 10:42 AM |
| BARCODE NO. | : 01523075 | CO | LLECTION DATE | : 27/Dec/2024 10:44AM |
| CLIENT CODE. | : KOS DIAGNOSTIC LAB | RE | PORTING DATE | : 27/Dec/2024 12:33PM |
| CLIENT ADDRESS | : 6349/1, NICHOLSON ROAD, A | MBALA CANTT | | |
| Test Name | | Value | Unit | Biological Reference interva |
| | KIDN | EY FUNCTION T | EST (COMPLETE) |) |
| UREA: SERUM | | 27.23 | mg/dL | 10.00 - 50.00 |
| CREATININE: SER | MATE DEHYDROGENASE (GLDH) UM CTROPHOTOMETERY | 0.84 | mg/dL | 0.40 - 1.20 |
| BLOOD UREA NITH | ROGEN (BUN): SERUM ECTROPHOTOMETRY | 12.72 | mg/dL | 7.0 - 25.0 |
| BLOOD UREA NITI RATIO: SERUM | ROGEN (BUN)/CREATININE ECTROPHOTOMETRY | 15.14 | RATIO | 10.0 - 20.0 |
| UREA/CREATININ | | 32.42 | RATIO | |
| URIC ACID: SERUN | 1 | 3.89 | mg/dL | 2.50 - 6.80 |
| CALCIUM: SERUM by ARSENAZO III, SPE | ECTROPHOTOMETRY | 10.37 | mg/dL | 8.50 - 10.60 |
| PHOSPHOROUS: SI by PHOSPHOMOLYBI | ERUM DATE, SPECTROPHOTOMETRY | 3.28 | mg/dL | 2.30 - 4.70 |
| <u>ELECTROLYTES</u> | | | | |
| SODIUM: SERUM by ISE (ION SELECTIN | /E ELECTRODE) | 141.9 | mmol/L | 135.0 - 150.0 |
| POTASSIUM: SERU | | 3.8 | mmol/L | 3.50 - 5.00 |
| CHLORIDE: SERUN | Л | 106.43 | mmol/L | 90.0 - 110.0 |
| | MERULAR FILTERATION RATE | 1 | | |
| (eGFR): SERUM by CALCULATED | IERULAR FILTERATION RATE | 89.5 | | |
| INTERPRETATION: | leen nre- and nost renal azotemia | | | |

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 PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





| | | hopra & Microbiology) onsultant Pathologist | | gam Chopra MD (Pathology) ultant Pathologist | |
|---|---|--|---|--|--------------------------|
| IAME | : Mrs. MANPREET KAUR | | | | |
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| EFERRED BY | | | STRATION DAT | | |
| ARCODE NO. | : 01523075 | | ECTION DATE | : 27/Dec/2024 | |
| | | | | | |
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| LIENT ADDRESS | : 6349/1, NICHOLSON ROAD |), AMBALA CANTT | | | |
| Fest Name | | Value | Unit | Biolo | gical Reference interval |
| NCREASED RĂTIO (>2 . Postrenal azotemia . Prerenal azotemia DECREASED RATIO (< | tetracycline, glucocorticoids) 20:1) WITH ELEVATED CREATININ a (BUN rises disproportionately superimposed on renal disease 10:1) WITH DECREASED BUN : | more than creatinine) (e | .g. obstructive u | ropathy). | |
| NCREASED RATIO (>2 Postrenal azotemia Perenal azotemia DECREASED RATIO (< Acute tubular necr Low protein diet al Severe liver diseas Other causes of de Repeated dialysis Inherited hyperam SIADH (syndrome of Pregnancy. DECREASED RATIO (< Phenacimide thera Rhabdomyolysis (r Muscular patients NAPPROPIATE RATIO Diabetic ketoacido hould produce an in Cephalosporin the | 20:1) WITH ELEVATED CREATININ a (BUN rises disproportionately superimposed on renal disease 10:1) WITH DECREASED BUN : rosis. and starvation. e. creased urea synthesis. (urea rather than creatinine dif imonemias (urea is virtually absorb finappropiate antidiuretic har 10:1) WITH INCREASED CREATIN upy (accelerates conversion of c releases muscle creatinine). who develop renal failure. bis (acetoacetate causes false i increased BUN/creatinine ratio). rapy (interferes with creatinine JLAR FILTERATION RATE: | more than creatinine) (e e. fuses out of extracellula sent in blood). mone) due to tubular sec INE: creatine to creatinine). increase in creatinine wi measurement). GFR (mL/mi | r fluid). cretion of urea. th certain metho n/1.73m2) | | |
| NCREASED RATIO (>2 Postrenal azotemia Prerenal azotemia DECREASED RATIO (< Acute tubular necr Low protein diet al Severe liver diseas Other causes of de Repeated dialysis Inherited hyperam SIADH (syndrome of Pregnancy. DECREASED RATIO (< Phenacimide thera Rhabdomyolysis (r Muscular patients NAPPROPIATE RATIO Diabetic ketoacido hould produce an in Cephalosporin thera STIMATED GLOMERI CKD STAGE | 20:1) WITH ELEVATED CREATION a (BUN rises disproportionately superimposed on renal disease 10:1) WITH DECREASED BUN : rosis. and starvation. e. creased urea synthesis. (urea rather than creatinine dif imonemias (urea is virtually absorb finappropiate antidiuretic har 10:1) WITH INCREASED CREATIN upy (accelerates conversion of c eleases muscle creatinine). who develop renal failure. b: usis (acetoacetate causes false i icreased BUN/creatinine ratio). rapy (interferes with creatinine JLAR FILTERATION RATE: | more than creatinine) (e e. fuses out of extracellula sent in blood). mone) due to tubular sec INE: creatine to creatinine). increase in creatinine wi measurement). GFR (mL/min action >90 | r fluid). cretion of urea. th certain metho n/1.73m2) | odologies,resulting in no | 35 |
| NCREASED RATIO (>2 Postrenal azotemia Prerenal azotemia ECREASED RATIO (< Acute tubular necr Low protein diet al Severe liver diseas Other causes of de Repeated dialysis Inherited hyperam SIADH (syndrome of Pregnancy. ECREASED RATIO (< Phenacimide thera Rhabdomyolysis (r Muscular patients NAPPROPIATE RATIO Diabetic ketoacido hould produce an in Cephalosporin ther STIMATED GLOMERI CKD STAGE G1 G2 | 20:1) WITH ELEVATED CREATININ a (BUN rises disproportionately superimposed on renal disease 10:1) WITH DECREASED BUN : rosis. and starvation. e. creased urea synthesis. (urea rather than creatinine dif imonemias (urea is virtually absorb inappropiate antidiuretic har 10:1) WITH INCREASED CREATIN py (accelerates conversion of c releases muscle creatinine). who develop renal failure. bis (acetoacetate causes false i increased BUN/creatinine ratio). rapy (interferes with creatinine JLAR FILTERATION RATE: DESCRIPTION Normal kidney fun Kidney damage v normal or high C | more than creatinine) (e e. fuses out of extracellula sent in blood). mone) due to tubular sec INE: creatine to creatinine). increase in creatinine wi measurement). GFR (mL/mi inction >90 vith >90 GFR | r fluid). cretion of urea. th certain metho | odologies,resulting in no ASSOCIATED FINDING No proteinuria | SS |
| ACREASED RATIO (>2 Postrenal azotemia Prerenal azotemia ECREASED RATIO (< Acute tubular necr Low protein diet al Severe liver diseas Other causes of de Repeated dialysis Inherited hyperam SIADH (syndrome of Pregnancy. ECREASED RATIO (< Phenacimide thera Rhabdomyolysis (r Muscular patients JAPPROPIATE RATIO Diabetic ketoacido nould produce an in Cephalosporin ther STIMATED GLOMERI G1 G2 G3a | 20:1) WITH ELEVATED CREATININ a (BUN rises disproportionately superimposed on renal disease 10:1) WITH DECREASED BUN : rosis. and starvation. e. creased urea synthesis. (urea rather than creatinine diff imonemias (urea is virtually absorb inappropiate antidiuretic har 10:1) WITH INCREASED CREATIN upy (accelerates conversion of create releases muscle creatinine). who develop renal failure. bis (acetoacetate causes false in creased BUN/creatinine ratio). rapy (interferes with creatinine JAR FILTERATION RATE: DESCRIPTION Normal kidney fun Kidney damage v normal or high C | more than creatinine) (e e. fuses out of extracellula sent in blood). mone) due to tubular sec INE: creatine to creatinine). increase in creatinine wi measurement). GFR (mL/mi inction >90 vith >90 GFR 60 - | r fluid). cretion of urea. th certain metho n/1.73m2) | odologies,resulting in no ASSOCIATED FINDING No proteinuria Presence of Protein , | SS |
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| VCREASED RĂTIO (>2 Postrenal azotemia Prerenal azotemia VECREASED RATIO (< Acute tubular necr Low protein diet al Severe liver diseas Other causes of de Repeated dialysis Inherited hyperam SIADH (syndrome of Pregnancy. VECREASED RATIO (< Phenacimide thera Rhabdomyolysis (r Muscular patients VAPPROPIATE RATIO Diabetic ketoacido hould produce an in Cephalosporin ther STIMATED GLOMERI G1 G2 G3a | 20:1) WITH ELEVATED CREATININ a (BUN rises disproportionately superimposed on renal disease 10:1) WITH DECREASED BUN : rosis. and starvation. e. creased urea synthesis. (urea rather than creatinine diff imonemias (urea is virtually absorb inappropiate antidiuretic har 10:1) WITH INCREASED CREATIN upy (accelerates conversion of create releases muscle creatinine). who develop renal failure. bis (acetoacetate causes false in creased BUN/creatinine ratio). rapy (interferes with creatinine JAR FILTERATION RATE: DESCRIPTION Normal kidney fun Kidney damage v normal or high C | more than creatinine) (e e. fuses out of extracellula sent in blood). mone) due to tubular sec INE: creatine to creatinine). increase in creatinine wi measurement). GFR (mL/mini- inction >90 vith >90 GFR 60 - in GFR 60 - in GFR 15-2 | r fluid). cretion of urea. th certain metho n/1.73m2) D 0 89 59 | odologies,resulting in no ASSOCIATED FINDING No proteinuria Presence of Protein , | SS |





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| | Dr. Vinay Chopr MD (Pathology & Mic Chairman & Consulta | robiology) MI | m Chopra D (Pathology) nt Pathologist |
|--------------------|---|--------------------------|--|
| NAME | : Mrs. MANPREET KAUR | | |
| AGE/ GENDER | : 41 YRS/FEMALE | PATIENT ID | : 1709953 |
| COLLECTED BY | : SURJESH | REG. NO./LAB NO. | : 012412270014 |
| REFERRED BY | : | REGISTRATION DATE | : 27/Dec/2024 10:42 AM |
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| CLIENT ADDRESS | : 6349/1, NICHOLSON ROAD, AME | BALA CANTT | |
| 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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| | 1 | Dr. Vinay Chop MD (Pathology & Mid Chairman & Consulta | crobiology) | | Pathology) |
|---|----------------|--|-------------|-----------------------------------|-------------------------------------|
| NAME | : Mrs. MANPR | EET KAUR | | | |
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| REFERRED BY | : | | | REGISTRATION DATE | : 27/Dec/2024 10:42 AM |
| BARCODE NO. | :01523075 | | | COLLECTION DATE | : 27/Dec/2024 10:44AM |
| CLIENT CODE. | : KOS DIAGNO | STIC LAB | | REPORTING DATE | : 27/Dec/2024 12:33PM |
| CLIENT ADDRESS | : 6349/1, NICH | IOLSON ROAD, AM | BALA CANTT | | |
| Test Name | | | Value | Unit | Biological Reference interva |
| | | | IRON | PROFILE | |
| IRON: SERUM | | | 93.71 | μg/dL | 37.0 - 145.0 |
| UNSATURATED IRC SERUM by FERROZINE, SPECT | ON BINDING CA | APACITY (UIBC) | 205.96 | µg/dL | 150.0 - 336.0 |
| TOTAL IRON BINDI SERUM | ING CAPACITY | | 299.67 | µg/dL | 230 - 430 |
| %TRANSFERRIN SA | ATURATION: SI | | 31.27 | % | 15.0 - 50.0 |
| TRANSFERRIN: SEI | RUM | | 212.77 | mg/dL | 200.0 - 350.0 |
| INTERPRETATION:- | | | | | |
| VARIABI SERUM IR | | ANEMIA OF CHRON Normal to Re | | IRON DEFICIENCY ANEMIA Reduced | Normal |

| 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 |
| IDON | | | |

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.
 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): 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 PERFORMED AT KOS DIAGNOSTIC LAB. AMBALA CANTT





| | MD (F | /inay Chopra Pathology & Microbiolo nan & Consultant Path | | | m Chopra D (Pathology) ht Pathologist |
|---|-------------------------------------|--|----------------------|-----------------|--|
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| CLIENT ADDRESS | : 6349/1, NICHOLS | ON ROAD, AMBALA CA | ANTT | | |
| Test Name | | Valu | e | Unit | Biological Reference interva |
| | | ENI | DOCRINOLO | GY | |
| | | THYROID F | UNCTION TES | T: TOTAL | |
| TRIIODOTHYRONI | NE (T3): SERUM | 0.68 E IMMUNOASSAY) | 3 | ng/mL | 0.35 - 1.93 |
| THYROXINE (T4): S | | 7.53 | 3 | µgm/dl | 4.87 - 12.60 |
| | TING HORMONE (T | | 51 | µIU/mI | 0.35 - 5.50 |
| BY CMIA (CHEMILOMIN 3rd GENERATION, ULT INTERPRETATION: | IESCENT MICROPARTICL RASENSITIVE | = IIVIIVIOINUASSAT) | | | |
| day has influence on the triiodothyronine (T3).Fai | measured serum TSH conce | entrations. TSH stimulates | the production and s | ecretion of the | <i>pm. The variation is of the order of 50%.Hence time of i</i> metabolically active hormones, thyroxine (T4)and her underproduction (hypothyroidism) or |
| CLINICAL CONDITION | | Т3 | T4 | | TSH |
| Primary Hypothyroidis | | Reduced | Reduced | | Increased (Significantly) |
| Subclinical Hypothyroi | aism: N | ormal or Low Normal | Normal or Low | Normal | High |

| 111 | ЛТ | лти |)NS:- |
|-----|----|-----|-------|

Primary Hyperthyroidism:

Subclinical Hyperthyroidism:

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.

Increased

Normal or High Normal

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 (e.g.: phenytoin , salicylates).

3. Serum T4 levels 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 hypothyroidism , pregnancy , phenytoin therapy.

| TRIIODOTH | YRONINE (T3) | THYROXINE (T4) | | THYROID STIMULATING 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 | |
| 6 - 12 Months | 0.74 - 2.40 | 6 - 12 Months | 7.10 - 16.16 | 6 – 12 Months | 0.70 - 7.00 | |

Increased

Normal or High Normal





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



Reduced (at times undetectable)

Reduced

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| | | | |

| Test Name | | Value Unit | | t | Biological Reference interval | |
|---------------------|---------------|-----------------------|------------------|---------------------|-------------------------------|--|
| 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 | |
| | RECON | IMENDATIONS OF TSH LI | 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, iodine 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 goiter & Thyroiditis.

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

3. Autonomously functioning Thyroid adenoma

4. Secondary pituitary or hypothalamic 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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| U 9001 : 2008 CERT | IFIED LAD | | EXCELLENCE IN HEALTHCARE | |
|--|---|---|--|--|
| | | r Chopra ogy & Microbiology) Consultant Pathologist | Dr. Yugam MD CEO & Consultant | (Pathology) |
| NAME | : Mrs. MANPREET KAUI | 2 | | |
| GE/ GENDER | : 41 YRS/FEMALE | P | ATIENT ID | : 1709953 |
| COLLECTED BY | : SURJESH | R | EG. NO./LAB NO. | : 012412270014 |
| REFERRED BY | : | | EGISTRATION DATE | : 27/Dec/2024 10:42 AM |
| BARCODE NO. | : 01523075 | | OLLECTION DATE | : 27/Dec/2024 10:44AM |
| CLIENT CODE. | : KOS DIAGNOSTIC LAB | | EPORTING DATE | : 27/Dec/2024 12:33PM |
| CLIENT ADDRESS | : 6349/1, NICHOLSON RO | | | |
| Test Name | | Value | Unit | Biological Reference interval |
| | | | | |
| | | LUTEINISING H | ORMONE (LH) | |
| | | | | 11.78 MID-CYCLE PEAK: 7.59 - 89.08 LUTEAL PHASE: 0.56 - 14.0 POST MENOPAUSAL WITHOUT HRT: 5.16 - 61.99 |
| hormone from the hy 2. In both males and nto a follicular phas 3. This "LH surge" trig uteum that, in turn, 4. LH supports theca nterstitial cells of Le Fhe test is useful in tl 1. An adjunctin the e 2. Evaluating patient 3. Predicting ovulatio 4. Diagnosing pituita | pothalamus controls the set females, LH is essential for it gers ovulation thereby not produces progesterone to p l cells in the ovary that provy ydig to cause increased syn he following situations: evaluation of menstrual irreg s with suspected hypogonad on & Evaluating infertility irry disorders | cretion of the gonadotrop reproduction. In females, only releasing the egg, b repare the endometrium ide androgens and horm thesis of testosterone. gularities. lism | bins, FSH and LH, from th the menstrual cycle is d out also initiating the con for a possiblei mplantati onal precursors for estra | nits (alpha and beta). Gonadotropin-releasing the anterior pituitary. Iivided by a mid cycle surge of both LH and FSH twersion of the residual follicle into a corpus on. adiol production. LH in males acts on testicular ulating hormone and luteinizing hormone |
| evels. F SH AND LH ELEVTED I. Primary gonadal f | ailure | | | |
| 2. Complete testicula 3. Precocious pubert 4. Menopause 5. Primary ovarian hy 5. Polycystic ovary d | ar feminization syndrome y (either idiopathic or secor ypo dysfunction in females isease in females | idary to a central nervou | s system lesion) | |
| 7. Primáry hypogóna LH IS DECREASED IN: | idism in males yper function in females | | | |

KOS Diagnostic Lab (A Unit of KOS Healthcare)

1.FSH and LH are both decreased in failure of the pituitary or hypothalamus.



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

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



Page 17 of 25



TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



| | ٨ | Dr. Vinay Chop 1D (Pathology & Mi Chairman & Consult | crobiology) | M | m Chopra D (Pathology) nt Pathologist |
|---|--|--|---|---------------------------------|---|
| IAME | : Mrs. MANPR | EET KAUR | | | |
| AGE/ GENDER | : 41 YRS/FEMA | LE | | PATIENT ID | : 1709953 |
| COLLECTED BY | : SURJESH | | | REG. NO./LAB NO. | :012412270014 |
| REFERRED BY | : | | | REGISTRATION DATE | : 27/Dec/2024 10:42 AM |
| ARCODE NO. | :01523075 | | | COLLECTION DATE | : 27/Dec/2024 10:44AM |
| LIENT CODE. | : KOS DIAGNOS | STIC LAB | | REPORTING DATE | : 27/Dec/2024 12:33PM |
| LIENT ADDRESS | : 6349/1, NICH | IOLSON ROAD, AM | BALA CANTT | | |
| Test Name | | | Value | Unit | Biological Reference interval |
| | | FOLLICI | | TING HODMONE (| CC11) |
| OLLICLE STIMUL | | | | TING HORMONE (I mIU/m | |
| by CLIA (CHEMILUMIN | | | | | 3.03 - 8.08 FEMALE MID-CYCLE PEAK: 2.53 - 16.69 FEAMLE LUTEAL PHASE: 1.38 - 5.47 FEMALE POST-MENOPAUSAL: 26.72 - 133.41 MALE: 0.95 - 11.95 |
| he test is useful in the An adjunct in the e Eveluating patient: Predicting ovulatio Evaluating infertili Diagnosing pituita | he following setti evaluation of mer s with suspected by ry disorders females, primary EVATED IN: ailure r feminization syr y (either idiopath henopausal FSH le pofunction in fei dism in males ted FSH is seen in | ngs: Instrual irregularitie hypogonadism. hypogonadism res ndrome. ic or secondary to evels are generally males polycystic ovarian | s. sults in an elev a central nerv >40 IU/L) disease in fei | rous system lesion) males | and a luteal phase. mulating hormone (FSH) and luteinizing hormone |
| | | | | | |

KOS Diagnostic Lab (A Unit of KOS Healthcare)





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





TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



| AGE/ GENDER : 41 COLLECTED BY : SUI REFERRED BY : BARCODE NO. : 015 CLIENT CODE. : KO CLIENT CODE. : KO CLIENT ADDRESS : 63- Test Name PROLACTIN: SERUM by CMIA (CHEMILUMINESCEN INTERPRETATION: 1.Prolactin is secreted by th 2.The major chemical contr 3.Physiological function of physiologic stimuli such as newborn infant. INCREASED (HYPERPROLACT 1.Prolactin-secreting pituita 2.Functional and organic di 3.Primary hypothyroidism. 4.Section compression of th 5.Chest wall lesions and re 6.Ectopic tumors. 7.DRUGS:- Anti-Dopaminergy receptors. or serotonin reu | 7.3 NT MICROPARTICLE IMMUNOASSAY) the anterior pituitary gland and cont trolling prolactin secretion is dopam f prolactin is the stimulation of milk s sleep, exercise, nipple stimulation, stematic structure is a stimulation, stematic state is a stimulation of the stimulation, the pituitary stalk. enal failure. | REG REG COL REP A CANTT Alue PROLAC 84 trolled by the tine, which inl c production. s exual interc | ng/mL nypothalamus. iibits prolactin secret n normal individuals, purse, hypoglycemia, | the prolactin level rises in response to postpartum period, and also is elevated in |
|---|--|--|---|---|
| COLLECTED BY : SUI REFERRED BY : BARCODE NO. : 015 CLIENT CODE. : KO CLIENT ADDRESS : 63 Test Name PROLACTIN: SERUM by CMIA (CHEMILUMINESCEN INTERPRETATION: 1.Prolactin is secreted by th 2.The major chemical contr 3.Physiological function of physiological function of physiologi | JRJESH 1523075 DS DIAGNOSTIC LAB 349/1, NICHOLSON ROAD, AMBALA Va <i>Va</i> <i>Va</i> <i>NT MICROPARTICLE IMMUNOASSAY</i>) the anterior pituitary gland and cont f prolactin is the stimulation of milk a sleep, exercise, nipple stimulation, <i>steple</i> , exercise, <i>steple</i> , exercise, | REG REG COL REP A CANTT Alue PROLAC 84 trolled by the tine, which inl c production. s exual interc | NO./LAB NO. STRATION DATE ECTION DATE DRTING DATE Unit Unit TIN ng/mL | : 012412270014 : 27/Dec/2024 10:42 AM : 27/Dec/2024 10:44AM : 27/Dec/2024 12:33PM Biological Reference intervation 3 - 25 ion from the pituitary. the prolactin level rises in response to postpartum period, and also is elevated in |
| REFERRED BY : BARCODE NO. : 015 CLIENT CODE. : KO CLIENT ADDRESS : 63- Test Name PROLACTIN: SERUM by CMIA (CHEMILUMINESCEN by CMIA (CHEMILUMINESCEN MITERPRETATION: 1. Prolactin is secreted by th 2. The major chemical contr 3. Physiological function of bhysiologic stimuli such as newborn infant. NCREASED (HYPERPROLACT 1. Prolactin-secreting pituita 2. Functional and organic di 3. Primary hypothyroidism. 4. Section compression of th 5. Chest wall lesions and re 6. Ectopic tumors. 7. DRUGS:- Anti-Dopaminerg receptors, or serotonin reu Opiates, High doses of estr | 1523075 DS DIAGNOSTIC LAB 349/1, NICHOLSON ROAD, AMBALA Va <i>T</i> <i>NT MICROPARTICLE IMMUNOASSAY</i>) The anterior pituitary gland and cont trolling prolactin secretion is dopam f prolactin is the stimulation of milk is sleep, exercise, nipple stimulation, <i>TEMIA</i>): tary adenoma (prolactinoma, which lisease of the hypothalamus. the pituitary stalk. enal failure. | REG COLI REP A CANTT Alue PROLAC 84 trolled by the ine, which inl c production. I s sexual interc | STRATION DATE LECTION DATE DRTING DATE Unit Unit TIN ng/mL hypothalamus. hibits prolactin secret n normal individuals, purse, hypoglycemia, | : 27/Dec/2024 10:42 AM : 27/Dec/2024 10:44AM : 27/Dec/2024 12:33PM Biological Reference interve 3 - 25 Tion from the pituitary. the prolactin level rises in response to postpartum period, and also is elevated in |
| BARCODE NO. : 015 CLIENT CODE. : KO CLIENT ADDRESS : 63 Test Name PROLACTIN: SERUM by CMIA (CHEMILUMINESCEN Dy CMIA (CHEM | DS DIAGNOSTIC LAB 349/1, NICHOLSON ROAD, AMBALA Va <i>Va</i> <i>NT MICROPARTICLE IMMUNOASSAY</i>) The anterior pituitary gland and cont trolling prolactin secretion is doparr f prolactin is the stimulation of milk is sleep, exercise, nipple stimulation, <i>TEMIA</i>): tary adenoma (prolactinoma, which lisease of the hypothalamus. <i>the pituitary stalk.</i> enal failure. | COL REP A CANTT Ilue PROLAC 84 trolled by the ine, which inl c production. s sexual interc | ECTION DATE DRTING DATE Unit Unit TIN ng/mL hypothalamus. hibits prolactin secret n normal individuals, purse, hypoglycemia, | : 27/Dec/2024 10:44AM : 27/Dec/2024 12:33PM Biological Reference intervation 3 - 25 |
| CLIENT CODE. : KO CLIENT ADDRESS : 63 Test Name PROLACTIN: SERUM by CMIA (CHEMILUMINESCEN DY CMI | DS DIAGNOSTIC LAB 349/1, NICHOLSON ROAD, AMBALA Va <i>Va</i> <i>NT MICROPARTICLE IMMUNOASSAY</i>) The anterior pituitary gland and cont trolling prolactin secretion is doparr f prolactin is the stimulation of milk is sleep, exercise, nipple stimulation, <i>TEMIA</i>): tary adenoma (prolactinoma, which lisease of the hypothalamus. <i>the pituitary stalk.</i> enal failure. | REP CANTT Alue PROLAC 84 trolled by the ine, which inl c production. sexual interc | DRTING DATE Unit Unit TIN ng/mL hypothalamus. hibits prolactin secret n normal individuals, burse, hypoglycemia, | : 27/Dec/2024 12:33PM Biological Reference interva 3 - 25 ion from the pituitary. the prolactin level rises in response to postpartum period, and also is elevated in |
| CLIENT ADDRESS : 634 Test Name PROLACTIN: SERUM by CMIA (CHEMILUMINESCEN INTERPRETATION: 1.Prolactin is secreted by th 2.The major chemical contr 3.Physiological function of physiologic stimuli such as newborn infant. INCREASED (HYPERPROLACT 1.Prolactin-secreting pituita 2.Functional and organic di 3.Primary hypothyroidism. 4.Section compression of th 5.Chest wall lesions and re 6.Ectopic tumors. 7.DRUGS:- Anti-Dopaminerg receptors, or serotonin reu ,Opiates, High doses of estr | 7.: <i>NT MICROPARTICLE IMMUNOASSAY</i>) the anterior pituitary gland and cont f prolactin is the stimulation of milk s sleep, exercise, nipple stimulation, TEMIA): tary adenoma (prolactinoma, which lisease of the hypothalamus. the pituitary stalk. enal failure. | A CANTT Ilue PROLAC 84 trolled by the hine, which inl c production. I sexual interc | Unit TIN ng/mL nypothalamus. nibits prolactin secret n normal individuals, purse, hypoglycemia, | Biological Reference interv 3 - 25 ion from the pituitary. the prolactin level rises in response to postpartum period, and also is elevated in |
| Test Name PROLACTIN: SERUM by CMIA (CHEMILUMINESCEN INTERPRETATION: 1.Prolactin is secreted by th 2.The major chemical contr 3.Physiological function of physiologic stimuli such as newborn infant. INCREASED (HYPERPROLACT 1.Prolactin-secreting pituita 2.Functional and organic di 3.Primary hypothyroidism. 4.Section compression of th 5.Chest wall lesions and re 6.Ectopic tumors. 7.DRUGS:- Anti-Dopaminerg receptors, or serotonin reu ,Opiates, High doses of estr | 7.1 <i>NT MICROPARTICLE IMMUNOASSAY</i>) the anterior pituitary gland and cont trolling prolactin secretion is dopam f prolactin is the stimulation of milk s sleep, exercise, nipple stimulation, STEMIA): tary adenoma (prolactinoma, which lisease of the hypothalamus. the pituitary stalk. enal failure. | PROLAC 84 trolled by the nine, which inl c production. s sexual interc | TIN ng/mL nypothalamus. nibits prolactin secret n normal individuals, purse, hypoglycemia, | 3 - 25 ion from the pituitary. the prolactin level rises in response to postpartum period, and also is elevated in |
| PROLACTIN: SERUM by CMIA (CHEMILUMINESCEN INTERPRETATION: 1.Prolactin is secreted by th 2.The major chemical contr 3.Physiological function of physiologic stimuli such as newborn infant. INCREASED (HYPERPROLACT 1.Prolactin-secreting pituita 2.Functional and organic di 3.Primary hypothyroidism. 4.Section compression of th 5.Chest wall lesions and re 6.Ectopic tumors. 7.DRUGS:- Anti-Dopaminerg, receptors, or serotonin reu (Opiates, High doses of estr | 7.3 NT MICROPARTICLE IMMUNOASSAY) the anterior pituitary gland and cont trolling prolactin secretion is dopam f prolactin is the stimulation of milk s sleep, exercise, nipple stimulation, stematic stematic stimulation, the pituitary stalk. enal failure. | PROLAC 84 trolled by the nine, which inl c production. I sexual interc | TIN ng/mL nypothalamus. nibits prolactin secret n normal individuals, purse, hypoglycemia, | 3 - 25 ion from the pituitary. the prolactin level rises in response to postpartum period, and also is elevated in |
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| In loss of libido, galactorr Loss of libido, impotence, from decreased muscle ma In males, prolactin levels In women, prolactin levels Clear symptoms and signs Mild to moderately incre adenoma is present, 5.Whe CAUTION: | uptake (anti-depressants of all class trogen or progesterone, anticonvulsa e, infertility, and hypogonadism in m ass and osteoporosis. >13 ng/mL are indicative of hyperpro Is >27 ng/mL in the absence of pregna so of hyperprolactinemia are often a eased levels of serum prolactin are i ereas levels >250 ng/mL are usually | es, ergot deri ants (valporic ten results en nales. Postme <i>lactinemia.</i> <i>ancy and postf</i> bsent in patie not a reliable associated w | vatives, some illegal c acid), anti-tuberculou prrhea or amenorrhe nopausal and premen artum lactation are in ats with serum prolac guide for determining th a prolactin-secreti | a, and infertility in premenopausal females opausal women, as well as men, can also s <i>dicative of hyperprolactinemia.</i> tin levels <100 ng/mL. g whether a prolactin-producing pituitary |
| evaluated if signs and symp | ptoms of hyperprolactinemia are ab | osent, or pitui | ary imaging studies a | re not informative. |
| | | | | |
| | | | | |

KOS Diagnostic Lab (A Unit of KOS Healthcare)



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







| | Dr. Vinay Chop MD (Pathology & Mid Chairman & Consult: | crobiology) | | (Pathology) |
|----------------------|--|-------------|--------------------------|--------------------------------------|
| NAME | : Mrs. MANPREET KAUR | | | |
| AGE/ GENDER | : 41 YRS/FEMALE | | PATIENT ID | : 1709953 |
| COLLECTED BY | : SURJESH | | REG. NO./LAB NO. | : 012412270014 |
| REFERRED BY | : | | REGISTRATION DATE | : 27/Dec/2024 10:42 AM |
| BARCODE NO. | : 01523075 | | COLLECTION DATE | : 27/Dec/2024 10:44AM |
| CLIENT CODE. | : KOS DIAGNOSTIC LAB | | REPORTING DATE | : 27/Dec/2024 01:36PM |
| CLIENT ADDRESS | : 6349/1, NICHOLSON ROAD, AM | BALA CANT | Т | |
| Test Name | | Value | Unit | Biological Reference interval |
| | ANTI MUL | LERIAN I | HORMONE (AMH) GE | ΝП |
| | HORMONE (AMH) GEN II: SERUM HEMILUMINESCENCE IMMUNOASSAY) | 4 0.052 | ng/mL | 0.02 - 6.35 |
| A Correlation of FER | FILITY POTENTIAL and AMH levels are |): | | |
| ſ | OVARIAN FERTILITY POTENTIAL | | | JES IN (ng/mL) |
| | OPTIMAL FERTILITY: | | 4.00 – 6.80 na | /mL |

| OPTIMAL FERTILITY: | 4.00 – 6.80 ng/mL |
|-------------------------|---|
| SATISFACTORY FERTILITY: | 2.20 – 4.00 ng/mL |
| LOW FERTILITY: | 0.30 – 2.20 ng/mL |
| VERY LOW/UNDETECTABLE: | 0.00 – 0.30 ng/mL |
| HIGH LEVEL: | >6.8 ng/mL (PCOD/GRANULOSA CELL TUMOUR) |

Anti Mullerian Hormone (AMH) is also known as Mullerian Inhibiting Substance provided by sertoli cells of the testis in males and by ovarian granulose cells in females up to antral stage in females.

IN MALES:

1.It is used to evaluate testicular presence and function in infants with intersex conditions or ambiguous genitalia, and to distinguish between cryptorchidism and anorchia in males

IN FEMALES:

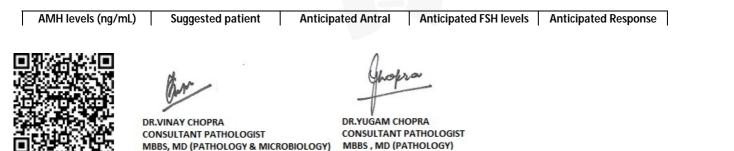
1. During reproductive age, follicular AMH productionbegins during the primary stage, peaks in preantral stage & has influence on follicular sensitivity to FSH which is impoetant in selection for follicular dominance. AMH levels thus represents the pool or number of primordial follicles but not thequality of oocytes. AMH does not vary significantly during menstrual cycle & hence can be measured independently of day of cycle. 2. Polycystic ovarian syndrome can elevate AMH 2 to 5 fold higher than age specific reference range & predict anovulatory, irregular cycles, ovarian tumours like Granulosa cell tumour are often associated with higher AMH levels.

3.Obese women are often associated with diminished ovarian reserve and can have 65% lower mean AMH levels than non-obese women. 4.In females , AMH levels do not change significantly throughout the menstrual cycle and decrease with age.

5. Assess Ovarian Reserve - correlates with the number of antral follicies in the ovaries.

6.Evaluate fertility potential and ovarian response in IVF- Women with low AMG levels are more likely to the poor ovarian responders. 7.Assess the condition of Polycystic Ovary and premature ovarian failure.

A combination of Age, Ultrasound markers-Ovarian Volume and Antral Follicle Count, AMH and FSH levels are useful for optimal assessment of ovarian reserve. Studies in various fertility clinics are ongoing to establish optimal AMH concentretaion for predicting response to invitro fertilization, however, given below is suggested interpretative reference.





TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT





Dr. Vinay Chopra



Dr. Yugam Chopra

| MD (Pathology & Microbiology) MD (Pathology) Chairman & Consultant Pathologist CEO & Consultant Pathologist | | | | | | |
|--|---------------------------------------|--------------------------|------------------------|--|--|--|
| NAME | : Mrs. MANPREET KAUR | | | | | |
| AGE/ GENDER | : 41 YRS/FEMALE | PATIENT ID | : 1709953 | | | |
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| CLIENT ADDRESS | : 6349/1, NICHOLSON ROAD, AMBALA CANT | Т | | | | |

| Test Name | | Value | Unit | Biological Reference interval |
|--------------|---|-------------------|---|--------------------------------------|
| | Categorization for fertility based on AMH for age group (20 to 45 yrs) | Follicle counts | (day 3) | to IVF/COH cycle |
| Below 0.3 | Very low | Below 4 | Above 20 | Negligible/Poor |
| 0.3 to 2.19 | Low | 4 - 10 | Usually 16 - 20 | Reduced |
| 2.19 t0 4.00 | Satisfactory | 11 - 25 | Within reference range or between 11 - 15 | Safe/Normal |
| Above 4.00 | Optimal | Upto 30 and Above | Within reference range or between 11 – 15 or Above 15 | Possibly Excessive |

INCREASED:

1.Polycystic ovarian syndrome (most common)

2. Ovarian Tumour: Granulosa cell tumour

DECREASED:

1. Anorchia, Abnormal or absence of testis in males

2.Pseudohermaphroditism

3.Post Menopause

NOTE:

1.AMH measurement alone is seldom suffcient for diagnosis and results should be interpreted in the light of clinical finding and other relevant test such as ovarian ultrasonography(In fertility applications); abdominal or testicular ultrasound(intersex or testicular function applications); measurement of sex steroids (estradiol,Progesterone,Testosterone),FSH, Inhibin B (For fertility), and Inhibin A and B (for tumour work up). 2.Conversion of AMH grom ng/mL to pmol/L can be performed by using equation 1 ng/mL = 7.14 pmol/L





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

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





TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



| | | y Chopra ogy & Microbiology) Consultant Pathologist | Dr. Yugam MD (I CEO & Consultant F | Pathology) |
|--|--|--|--|--|
| NAME | : Mrs. MANPREET KAUR | <u> </u> | | |
| AGE/ GENDER | : 41 YRS/FEMALE | PATIE | INT ID | : 1709953 |
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| CLIENT ADDRESS | : 6349/1, NICHOLSON RC |)AD, AMBALA CANTT | | |
| Test Name | | Value | Unit | Biological Reference interval |
| | | VITAMI | VS | |
| | v | TTAMIN D/25 HYDRO | | |
| | DROXY VITAMIN D3): SEI escence immunoassay) | RUM 41.8 | ng/mL | DEFICIENCY: < 20.0 INSUFFICIENCY: 20.0 - 30.0 SUFFICIENCY: 30.0 - 100.0 TOXICITY: > 100.0 |
| | CIENT: | < 20 | ng/ | /mL |
| | FICIENT: | 21 - 29 | ng/ | 'mL |
| | ED RANGE: CATION: | <u> </u> | ng/ | |
| conversion of 7- dihy 2.25-OHVitamin D r tissue and tightly bou 3. Vitamin D plays a p boosphate reabsorpt 4. Severe deficiency n DECREASED: 1. Lack of sunshine ex 2. Inadequate intake, 3. Depressed Hepatic | drocholecalciferol to Vitami epresents the main body res und by a transport protein v rimary role in the maintena ion, skeletal calcium deposi nay lead to failure to minera posure. malabsorption (celiac disea Vitamin D 25- hydroxylase a need Liver disease | in D3 in the skin upon Ultravi sevoir and transport form of V while in circulation. ance of calcium homeostatis. ition, calcium mobilization, m alize newly formed osteoid in ase) activity sm (Mild to Moderate deficie | olet exposure. Vitamin D and transp It promotes calcium ainly regulated by pa bone, resulting in ric | ecalciferol (from animals, Vitamin D3), or by ort form of Vitamin D, being stored in adipose absorption, renal calcium absorption and arathyroid harmone (PTH). kets in children and osteomalacia in adults. |

KOS Diagnostic Lab (A Unit of KOS Healthcare)





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

 KOS Central Lab: 6349/1, Nicholson Road, Ambala Cantt -133 001, Haryana

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

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| | Dr. Vinay Cł MD (Pathology & Chairman & Cor | | Dr. Yugan MD CEO & Consultant | (Pathology) |
|---|---|---|--|-------------------------------|
| NAME | : Mrs. MANPREET KAUR | | | |
| AGE/ GENDER | : 41 YRS/FEMALE | P | ATIENT ID | : 1709953 |
| COLLECTED BY | : SURJESH | R | EG. NO./LAB NO. | : 012412270014 |
| REFERRED BY | : | R | EGISTRATION DATE | : 27/Dec/2024 10:42 AM |
| BARCODE NO. | : 01523075 | | OLLECTION DATE | : 27/Dec/2024 10:44AM |
| CLIENT CODE. | : KOS DIAGNOSTIC LAB | | EPORTING DATE | : 27/Dec/2024 12:33PM |
| CLIENT ADDRESS | : 6349/1, NICHOLSON ROAD, | | | |
| Test Name | | Value | Unit | Biological Reference interval |
| | | VITAMIN B12 | /COBALAMIN | |
| by CMIA (CHEMILUMIN | BALAMIN: SERUM | 276 | / COBALAMIN pg/mL | 190.0 - 890.0 |
| by CMIA (CHEMILUMIN INTERPRETATION:- | | 276 | | 190.0 - 890.0 |
| INTERPRETATION:- INCREAS 1.Ingestion of Vitam | IESCENT MICROPARTICLE IMMUNOA SED VITAMIN B12 nin C | 276 ASSAY) | pg/mL DECREASED VITAMII | 190.0 - 890.0 |
| by CMIA (CHEMILUMIN INTERPRETATION:- INCREAS 1.Ingestion of Vitam 2.Ingestion of Estrog | IESCENT MICROPARTICLE IMMUNOA SED VITAMIN B12 hin C gen | 276 ASSAY) 1.Pregnanc 2.DRUGS:A | pg/mL DECREASED VITAMII y spirin, Anti-convulsants | 190.0 - 890.0 |
| by CMIA (CHEMILUMIN INTERPRETATION:- INCREAS 1.Ingestion of Vitam 2.Ingestion of Estrog 3.Ingestion of Vitam | IESCENT MICROPARTICLE IMMUNOA SED VITAMIN B12 nin C gen nin A | 276 ASSAY) 1.Pregnanc 2.DRUGS:A 3.Ethanol I | pg/mL DECREASED VITAMII y spirin, Anti-convulsants gestion | 190.0 - 890.0 |
| by CMIA (CHEMILUMIN INTERPRETATION:- INCREAS 1.Ingestion of Vitam 2.Ingestion of Estrog 3.Ingestion of Vitam 4.Hepatocellular inj | IESCENT MICROPARTICLE IMMUNOA SED VITAMIN B12 nin C gen nin A jury | 276 ASSAY) 1.Pregnand 2.DRUGS:A 3.Ethanol I 4. Contrace | pg/mL DECREASED VITAMII y spirin, Anti-convulsants gestion potive Harmones | 190.0 - 890.0 |
| by CMIA (CHEMILUMIN INTERPRETATION:- INCREAS 1.Ingestion of Vitam 2.Ingestion of Estroo 3.Ingestion of Vitam 4.Hepatocellular inj 5.Myeloproliferative 6.Uremia | IESCENT MICROPARTICLE IMMUNOA SED VITAMIN B12 nin C gen nin A jury | 276 ASSAY) 1.Pregnand 2.DRUGS:A 3.Ethanol I 4. Contrace 5.Haemod 6. Multiple | pg/mL DECREASED VITAMII y spirin, Anti-convulsants gestion eptive Harmones alysis Myeloma | 190.0 - 890.0 |





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



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| | Dr. Vinay Cho MD (Pathology & Chairman & Cons | Microbiology) | Dr. Yugarr MD O & Consultant | (Pathology) |
|--|--|-------------------|------------------------------------|--------------------------------------|
| NAME | : Mrs. MANPREET KAUR | | | |
| AGE/ GENDER | : 41 YRS/FEMALE | PATIENT | ID | : 1709953 |
| COLLECTED BY | : SURJESH | REG. NO./ | LAB NO. | :012412270014 |
| REFERRED BY | : | REGISTRA | TION DATE | : 27/Dec/2024 10:42 AM |
| BARCODE NO. | : 01523075 | COLLECTI | | : 27/Dec/2024 10:44AM |
| CLIENT CODE. | : KOS DIAGNOSTIC LAB | REPORTIN | NG DATE | : 27/Dec/2024 11:26AM |
| CLIENT ADDRESS | : 6349/1, NICHOLSON ROAD, A | MBALA CANTT | | |
| Test Name | | Value | Unit | Biological Reference interval |
| | | CLINICAL PATHO | LOCA | |
| | URINE ROI | UTINE & MICROSCOP | | ATION |
| PHYSICAL EXAMIN | | | | |
| QUANTITY RECIEVE | D | 10 | ml | |
| by DIP STICK/REFLECT, | ANCE SPECTROPHOTOMETRY | PALE YELLOW | | PALE YELLOW |
| by DIP STICK/REFLECT | ANCE SPECTROPHOTOMETRY | | | |
| TRANSPARANCY | ANCE SPECTROPHOTOMETRY | CLEAR | | CLEAR |
| SPECIFIC GRAVITY | | >=1.030 | | 1.002 - 1.030 |
| by DIP STICK/REFLECT | ANCE SPECTROPHOTOMETRY | | | |
| REACTION | | ACIDIC | | |
| | ANCE SPECTROPHOTOMETRY | | | |
| PROTEIN by DIP STICK/REFLECT/ | ANCE SPECTROPHOTOMETRY | Negative | | NEGATIVE (-ve) |
| SUGAR | | Negative | | NEGATIVE (-ve) |
| pH | ANCE SPECTROPHOTOMETRY | 6 | | 5.0 - 7.5 |
| by DIP STICK/REFLECT, BILIRUBIN | ANCE SPECTROPHOTOMETRY | Negative | | NEGATIVE (-ve) |
| by DIP STICK/REFLECT | ANCE SPECTROPHOTOMETRY | | | |
| NITRITE | ANCE SPECTROPHOTOMETRY. | Positive | | NEGATIVE (-ve) |
| UROBILINOGEN | | Normal | EU/dL | 0.2 - 1.0 |
| KETONE BODIES | ANCE SPECTROPHOTOMETRY | Negative | | NEGATIVE (-ve) |
| BLOOD | ANCE SPECTROPHOTOMETRY | Negative | | NEGATIVE (-ve) |
| by DIP STICK/REFLECT, ASCORBIC ACID | ANCE SPECTROPHOTOMETRY | - | | |
| | ANCE SPECTROPHOTOMETRY | NEGATIVE (-ve) | | NEGATIVE (-ve) |
| MICROSCOPIC EXA | | | | |
| RED BLOOD CELLS (| (RBCs) | NEGATIVE (-ve) | /HPF | 0 - 3 |



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

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



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

| NAME | : Mrs. MANPREET KAUR | | | |
|--------------------|-----------------------------|--------------|-----------------|-------------------------------|
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| Test Name | | Value | Unit | Biological Reference interval |

| 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) |
| OTHERS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT | NEGATIVE (-ve) | | NEGATIVE (-ve) |
| TRICHOMONAS VAGINALIS (PROTOZOA) by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT | ABSENT | | ABSENT |

** End Of Report ***



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

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

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