


नाम रीना अग्रवाल
Name REENA AGARWAL

कार्यकारी कोड नं. 180224
Employee Code No.


जारीकर्ता प्राधिकारी
Issuing Authority




धारक के हस्ताक्षर
Signature of Holder



Dr. PIYUSH GOYAL
MBBS, DMRD (Radiologist)
RMC No. 087041



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General Physical Examination

Date of Examination: 04/02/24

Name: REENA AGARWAL Age: 33 YRS DOB: 05/09/1990 Sex: Female

Referred By: BANKO FARODA

Photo ID: BANKO ID #: 1800004

Ht: 161 (cm)

Wt: 68 (Kg)

Chest (Expiration): 31 (cm)

Abdomen Circumference: 86 (cm)

Blood Pressure: 100/80 mm Hg PR: 79/min RR: 18/min Temp: Afebrile

BMI 26.2

Eye Examination: R/E] G/G, N/G, N/CB
L/E] G/G, N/G, N/CB

Other: No

On examination he/she appears physically and mentally fit: Yes/No

Signature Of Examinee: [Handwritten Signature]

Name of Examinee: REENA AGARWAL

Signature Medical Examiner: [Handwritten Signature]
DR. PIYUSH GOYAL
MBBS, DMRD (Radiologist)
RMC No. 037041

Name Medical Examiner: DR. PIYUSH GOYAL



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NAME :- Mrs. REENA AGARWAL

Age :- 33 Yrs 10 Mon 27 Days

Sex :- Female

Patient ID :-12234686

Date :- 24/02/2024 10:26:46

Ref. By Doctor:-BANK OF BARODA

Labi/Hosp :-

Company :- Mr.MEDIWHEEL

Final Authentication : 24/02/2024 17:51:00

HAEMOGARAM

HAEMATOLOGY

| Test Name | Value | Unit | Biological Ref Interval |
|---|--------|---------------------------|-------------------------|
| FULL BODY HEALTH CHECKUP BELOW 40 FEMAL | | | |
| HAEMOGLOBIN (Hb) | 13.3 | g/dL | 12.0 - 15.0 |
| TOTAL LEUCOCYTE COUNT | 8.10 | /cumm | 4.00 - 10.00 |
| DIFFERENTIAL LEUCOCYTE COUNT | | | |
| NEUTROPHIL | 60.0 | % | 40.0 - 80.0 |
| LYMPHOCYTE | 33.0 | % | 20.0 - 40.0 |
| EOSINOPHIL | 2.0 | % | 1.0 - 6.0 |
| MONOCYTE | 5.0 | % | 2.0 - 10.0 |
| BASOPHIL | 0.0 | % | 0.0 - 2.0 |
| TOTAL RED BLOOD CELL COUNT (RBC) | 4.84 H | $\times 10^6/\mu\text{L}$ | 3.80 - 4.80 |
| HEMATOCRIT (HCT) | 41.50 | % | 36.00 - 46.00 |
| MEAN CORP VOLUME (MCV) | 86.0 | fL | 83.0 - 101.0 |
| MEAN CORP HB (MCH) | 27.5 | pg | 27.0 - 32.0 |
| MEAN CORP HB CONC (MCHC) | 32.0 | g/dL | 31.5 - 34.5 |
| PLATELET COUNT | 336 | $\times 10^3/\mu\text{L}$ | 150 - 410 |
| RDW-CV | 13.4 | % | 11.6 - 14.0 |

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RMC No. 17226



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HAEMATOLOGY

Erythrocyte Sedimentation Rate (ESR)

Method - Westergren

16

mm in 1st hr

00 - 20

The erythrocyte sedimentation rate (ESR or sed rate) is a relatively simple, inexpensive, non-specific test that has been used for many years to help detect inflammation associated with conditions such as infections, cancers, and autoimmune diseases. ESR is said to be a non-specific test because an elevated result often indicates the presence of inflammation but does not tell the health practitioner exactly where the inflammation is in the body or what is causing it. An ESR can be affected by other conditions besides inflammation. For this reason, the ESR is typically used in conjunction with other tests, such as C-reactive protein. ESR is used to help diagnose certain specific inflammatory diseases, including temporal arteritis, systemic vasculitis and polymyalgia rheumatica. (For more on these, read the article on Vasculitis.) A significantly elevated ESR is one of the main test results used to support the diagnosis. This test may also be used to monitor disease activity and response to therapy in both of the above diseases as well as



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(CBC): Methodology: TLC,DLC Fluorescent Flow cytometry, HB SLS method,TRBC,PCV,PLT Hydrodynamically focused Impedance and MCH,MCV,MCHC,MENTZER INDEX are calculated. InstrumentName: Sysmex 6 part fully automatic analyzer XN-L,Japan.





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| Sex :- Female | Lab/Hosp :- | | |
| | Company :- | Mr.MEDIWHEEL | |

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BIOCHEMISTRY

| Test Name | Value | Unit | Biological Ref Interval |
|-----------|-------|------|-------------------------|
|-----------|-------|------|-------------------------|

| | | | |
|--|------|-------|--------------|
| FASTING BLOOD SUGAR (Plasma) Method:- GOD P00 | 84.5 | mg/dl | 70.0 - 115.0 |
|--|------|-------|--------------|

| | |
|----------------------------------|-----------------|
| Impaired glucose tolerance (IGT) | 111 - 125 mg/dL |
| Diabetes Mellitus (DM) | > 126 mg/dL |

Instrument Name: HORIBA CA60 Interpretation: Elevated glucose levels (hyperglycemia) may occur with diabetes, pancreatic neoplasm, hyperthyroidism and adrenal cortical hyper-function as well as other disorders. Decreased glucose levels (hypoglycemia) may result from excessive insulin therapy or various liver diseases .

| | | | |
|---|------|-------|--------------|
| BLOOD SUGAR PP (Plasma) Method:- GOD P0P | 90.2 | mg/dl | 70.0 - 140.0 |
|---|------|-------|--------------|

Instrument Name: HORIBA Interpretation: Elevated glucose levels (hyperglycemia) may occur with diabetes, pancreatic neoplasm, hyperthyroidism and adrenal cortical hyper-function as well as other disorders. Decreased glucose levels (hypoglycemia) may result from excessive insulin therapy or various liver diseases .



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HAEMATOLOGY

| Test Name | Value | Unit | Biological Ref Interval |
|--|-------|-------|--|
| GLYCOSYLATED HEMOGLOBIN (HbA1C) Method:- CAPILLARY with EDTA | 5.4 | mg% | Non-Diabetic < 6.0 Good Control 6.0-7.0 Weak Control 7.0-8.0 Poor control > 8.0 |
| MEAN PLASMA GLUCOSE Method:- Calculated Parameter | 106 | mg/dL | 68 - 125 |

INTERPRETATION

AS PER AMERICAN DIABETES ASSOCIATION (ADA)

Reference Group HbA1c in %

Non diabetic adults >=18 years < 5.7

At risk (Prediabetes) 5.7 - 6.4

Diagnosing Diabetes >= 6.5

CLINICAL NOTES

In vitro quantitative determination of HbA1c in whole blood is utilized in long term monitoring of glycaemia. The HbA1c level correlates with the mean glucose concentration prevailing in the course of the patient's recent history (approx. -8-9 weeks) and therefore provides much more reliable information for glycaemia monitoring than do determinations of blood glucose or urinary glucose. It is recommended that the determination of HbA1c be performed at intervals of 4-8 weeks during Diabetes Mellitus therapy. Results of HbA1c should be assessed in conjunction with the patient's medical history, physical examinations and other findings.

Some of the factors that influence HbA1c and its measurement (Adapted from Gallagher et al)

1. Erythropoiesis

- Increased HbA1c: iron, vitamin B12 deficiency, decreased erythropoiesis.
- Decreased HbA1c: administration of erythropoietin, iron, vitamin B12, reticulocytosis, chronic liver disease.

2. Altered Hemoglobin-Genetic or chemical alterations in hemoglobin: hemoglobinopathies, HbF, methemoglobin, may increase or decrease HbA1c.

3. Glycation

- Increased HbA1c: alcoholism, chronic renal failure, decreased intracellular pH.
- Decreased HbA1c: certain hemoglobinopathies, increased intracellular pH.

4. Erythrocyte destruction

- Increased HbA1c: increased erythrocyte life span: Splenectomy.
- Decreased A1c: decreased RBC life span: hemoglobinopathies, splenomegaly, rheumatoid arthritis or drugs such as antiretrovirals, ribavirin & dapsone.

5. Others

- Increased HbA1c: hyperbilirubinemia, carbamylated hemoglobin, alcoholism, large doses of aspirin, chronic opiate use, chronic renal failure.
- Decreased HbA1c: hypertriglyceridemia, reticulocytosis, chronic liver disease, aspirin, vitamin C and E, splenomegaly, rheumatoid arthritis or drugs.

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HAEMATOLOGY

BLOOD GROUP ABO

Method - Haemagglutination reaction

"O" POSITIVE



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BIOCHEMISTRY

| Test Name | Value | Unit | Biological Ref Interval |
|---|--------|-------|--|
| LIPID PROFILE | | | |
| TOTAL CHOLESTEROL Method - CHOD-PAP methodology | 137.00 | mg/dl | Desirable <200 Borderline 200-239 High > 240 |
| <i>InstrumentName MISPA PLUS Interpretation: Cholesterol measurements are used in the diagnosis and treatments of lipid lipoprotein metabolism disorders.</i> | | | |
| TRIGLYCERIDES Method - GPO-PAP | 95.60 | mg/dl | Normal <150 Borderline high 150-199 High 200-499 Very high >500 |
| <i>InstrumentName Randox Rx Imola Interpretation: Triglyceride measurements are used in the diagnosis and treatment of diseases involving lipid metabolism and various endocrine disorders e.g. diabetes mellitus, nephrosis and liver obstruction.</i> | | | |
| DIRECT HDL CHOLESTEROL Method - Direct clearance Method | 36.50 | mg/dl | MALE- 30-70 FEMALE - 30-85 |
| <i>Instrument Name Rx Daytona plus Interpretation: An inverse relationship between HDL-cholesterol (HDL-C) levels in serum and the incidence/prevalence of coronary heart disease (CHD) has been demonstrated in a number of epidemiological studies. Accurate measurement of HDL-C is of vital importance when assessing patient risk from CHD. Direct measurement gives improved accuracy and reproducibility when compared to precipitation methods.</i> | | | |
| LDL CHOLESTEROL Method - Calculated Method | 84.57 | mg/dl | Optimal <100 Near Optimal/above optimal 100-129 Borderline High 130-159 High 160-189 Very High > 190 |
| VLDL CHOLESTEROL Method - Calculated | 19.12 | mg/dl | 0.00 - 80.00 |
| T.CHOLESTEROL/HDL CHOLESTEROL RATIO Method - Calculated | 3.75 | | 0.00 - 4.90 |
| LDL / HDL CHOLESTEROL RATIO Method - Calculated | 2.32 | | 0.00 - 3.50 |
| TOTAL LIPID Method - CALCULATED | 424.03 | mg/dl | 400.00 - 1000.00 |

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 NCEP 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

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BIOCHEMISTRY

recommended

↓ Low HDL levels are associated with Coronary Heart Disease due to insufficient HDL being available to participate in reverse cholesterol transport, the process by which cholesterol is eliminated from peripheral tissues.



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BIOCHEMISTRY

LIVER PROFILE WITH GGT

| | | | |
|--|-------|-------|--|
| SERUM BILIRUBIN (TOTAL) Method - DMSO/Diaz | 0.58 | mg/dL | Infants : 0.2-8.0 mg/dL Adult - Up to - 1.2 mg/dL |
| SERUM BILIRUBIN (DIRECT) Method - DMSO/Diaz | 0.13 | mg/dL | Up to 0.40 mg/dL |
| SERUM BILIRUBIN (INDIRECT) Method - Calculated | 0.45 | mg/dl | 0.30-0.70 |
| SGOT Method - IFCC | 12.6 | U/L | 0.0 - 40.0 |
| SGPT Method - IFCC | 15.6 | U/L | 0.0 - 35.0 |
| SERUM ALKALINE PHOSPHATASE Method - DGKC - SCE | 74.50 | U/L | 42.00 - 110.00 |
| SERUM GAMMA GT Method - Scize methodology Reagent Name Random Rx Inerts Interpretation: Elevations in GGT levels suggest either and more pronounced than those with other liver enzymes in cases of obstructive jaundice and cholestatic symptoms. It may reach 5 to 30 times normal levels in extra- or post- hepatic biliary obstruction. Only moderate elevations in the enzyme level (2 to 7 times normal) are observed with alcoholic hepatitis. | 21.30 | U/L | 5.00 - 32.00 |
| SERUM TOTAL PROTEIN Method - Direct Bistat Reagent | 6.85 | g/dl | 6.00 - 8.40 |
| SERUM ALBUMIN Method - Bromocresol Green | 4.25 | g/dl | 3.50 - 5.50 |
| SERUM GLOBULIN Method - CALCULATION | 2.60 | gm/dl | 2.20 - 3.50 |
| A/G RATIO | 1.63 | | 1.30 - 2.50 |

Interpretation : Measurements obtained by this method are used in the diagnosis and treatment of a variety of diseases involving the liver, kidney and bone marrow as well as other metabolic or nutritional disorders.

Note :- These are group of tests that can be used to detect the presence of liver disease, distinguish among different types of liver disorders, gauge the extent of known liver damage, and monitor the response to treatment. Most liver diseases cause only mild symptoms initially, but these diseases must be detected early. Some tests are associated with functionality (e.g., albumin), some with cellular integrity (e.g., transaminase), and some with conditions linked to the biliary tract (gamma-glutamyl transferase and alkaline phosphatase). Conditions with elevated levels of ALT and AST include hepatitis A,B ,C ,paracetamol toxicity etc. Several biochemical tests are useful in the evaluation and management of patients with hepatic dysfunction. Some or all of these measurements are also carried out (usually about twice a year for routine cases) on those individuals taking certain medications, such as anticonvulsants, to ensure that the medications are not adversely impacting the person's liver.

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BIOCHEMISTRY

RFT / KFT WITH ELECTROLYTES

| | | | |
|-----------------------------------|-------|-------|---------------|
| SERUM UREA Method- Urease/GLDH | 26.50 | mg/dl | 10.00 - 50.00 |
|-----------------------------------|-------|-------|---------------|

InstrumentName: HORIBA CA 60 Interpretation : Urea measurements are used in the diagnosis and treatment of certain renal and metabolic diseases.

| | | | |
|--|------|-------|---|
| SERUM CREATININE Method- Jaffe's Method | 1.06 | mg/dl | Males : 0.6-1.50 mg/dl Females : 0.6 -1.40 mg/dl |
|--|------|-------|---|

Interpretation : Creatinine is measured primarily to assess kidney function and has certain advantages over the measurement of urea. The plasma level of creatinine is relatively independent of protein ingestion, water intake, rate of urine production and exercise. Depressed levels of plasma creatinine are rare and not clinically significant.

| | | | |
|-----------------|------|-------|-------------|
| SERUM URIC ACID | 5.36 | mg/dl | 2.40 - 7.00 |
|-----------------|------|-------|-------------|

InstrumentName: HORIBA YUMIZEN CA60 Daytona plus Interpretation: Elevated Urate: High purine diet, Alcohol, Renal insufficiency, Drugs, Polycythaemia vera, Malignancies, Hypothyroidism, Rare enzyme defects, Down's syndrome, Metabolic syndrome, Pregnancy, Gout.

| | | | |
|-----------------------|-------|--------|---------------|
| SODIUM Method- ISE | 139.1 | mmol/L | 135.0 - 150.0 |
|-----------------------|-------|--------|---------------|

| | | | |
|--------------------------|------|--------|-------------|
| POTASSIUM Method- ISE | 3.09 | mmol/L | 3.50 - 5.50 |
|--------------------------|------|--------|-------------|

| | | | |
|-------------------------|------|--------|--------------|
| CHLORIDE Method- ISE | 99.3 | mmol/L | 94.0 - 110.0 |
|-------------------------|------|--------|--------------|

| | | | |
|--|------|-------|--------------|
| SERUM CALCIUM Method- Arsenazo III Method | 9.54 | mg/dL | 8.80 - 10.20 |
|--|------|-------|--------------|

InstrumentName: MISPA PLUS Interpretation: Serum calcium levels are believed to be controlled by parathyroid hormone and vitamin D. Increases in serum PTH or vitamin D are usually associated with hypercalcemia. Hypocalcemia may be observed in hypoparathyroidism, nephrosis and pancreatitis.

| | | | |
|---|------|------|-------------|
| SERUM TOTAL PROTEIN Method- Direct Buret Reagent | 6.85 | g/dl | 6.00 - 8.40 |
|---|------|------|-------------|

| | | | |
|---|------|------|-------------|
| SERUM ALBUMIN Method- Bimacresol Green | 4.25 | g/dl | 3.50 - 5.50 |
|---|------|------|-------------|

| | | | |
|---------------------------------------|------|-------|-------------|
| SERUM GLOBULIN Method- CALCULATION | 2.60 | gm/dl | 2.20 - 3.50 |
|---------------------------------------|------|-------|-------------|

| | | | |
|-----------|------|--|-------------|
| A/G RATIO | 1.63 | | 1.30 - 2.50 |
|-----------|------|--|-------------|

Interpretation : Measurements obtained by this method are used in the diagnosis and treatment of a variety of dis... liver, kidney and

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BIOCHEMISTRY

bone marrow as well as other metabolic or nutritional disorders.

INTERPRETATION

Kidney function tests are group of tests that can be used to evaluate how well the kidneys are functioning. Creatinine is a waste product that comes from protein in the diet and also comes from the normal wear and tear of muscles of the body. In blood, it is a marker of GFR. In urine, it can remove the need for 24-hour collections for many analytes or be used as a quality assurance tool to assess the accuracy of a 24-hour collection. Higher levels may be a sign that the kidneys are not working properly. As kidney disease progresses, the level of creatinine and urea in the blood increases. Certain drugs are nephrotoxic hence KFT is done before and after initiation of treatment with these drugs.

Low serum creatinine values are rare, they almost always reflect low muscle mass.

Apart from renal failure Blood Urea can increase in dehydration and GI bleed.



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IMMUNOASSAY

4th Generation Assay, Reference ranges vary between laboratories

PREGNANCY - REFERENCE RANGE for TSH IN uIU/mL (As per American Thyroid Association)

1st Trimester : 0.10-2.50 uIU/mL

2nd Trimester : 0.20-3.00 uIU/mL

3rd Trimester : 0.30-3.00 uIU/mL

The production, circulation, and disintegration of thyroid hormones are altered throughout the stages of pregnancy.

NOTE-TSH levels are subject to circadian variation, reaching peak levels between 2-4 AM and min between 6-10 PM. The variation is the order of 50% hence time of the day has influence on the measures serum TSH concentration. Dose and time of drug intake also influence the test result.

INTERPRETATION

1. Primary hyperthyroidism is accompanied by ↑ serum T3 & T4 values along with ↓ TSH level.
2. Primary hypothyroidism is accompanied by ↓ serum T3 and T4 values & ↑ serum TSH levels
3. Normal T4 levels accompanied by ↑ T3 levels and low TSH are seen in patients with T3 Thyrotoxicosis
4. Normal or ↓ T3 & ↑ T4 levels indicate T4 Thyrotoxicosis (problem is conversion of T4 to T3)
5. Normal T3 & T4 along with ↓ TSH indicate mild / Subclinical Hyperthyroidism

COMMENTS: Assay results should be interpreted in context to the clinical condition and associated results of other investigations. Previous treatment with corticosteroid therapy may result in lower TSH levels while thyroid hormone levels are normal. Results are invalidated if the client has undergone a radionuclide scan within 7-14 days before the test.

Disclaimer: TSH is an important marker for the diagnosis of thyroid dysfunction. Recent studies have shown that the TSH distribution progressively shifts to a higher concentration with age and it is debatable whether this is due to a real change with age or an increasing proportion of unrecognized thyroid disease in the elderly

Reference ranges are from Teitz fundamental of clinical chemistry 8th ed (2018)

Test performed by Instrument : Beckman coulter Dxi 800

Note: The result obtained relate only to the sample given/ received & tested. A single test result is not always indicative of a disease, it has to be correlated with clinical data for interpretation.

*** End of Report ***

Technologist
MGR
Page No: 16 of 16

DR. TANU RUNGTA
MD (Pathology)
RMC No. 17226



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Central Spine, Vidhyadhar Nagar, Jaipur - 302023
- 📞 +91 141 4824885 📧 maxcarediagnostics1@gmail.com



NAME :- Mrs. REENA AGARWAL

Age :- 33 Yrs 10 Mon 27 Days

Sex :- Female

Patient ID :-12234686

Date :- 24/02/2024

10:26:46

Ref. By Doctor:-BANK OF BARODA

Lab/Hosp :-

Company :- Mr.MEDIWHEEL

Final Authentication : 24/02/2024 17:51:00

CLINICAL PATHOLOGY

URINE SUGAR (FASTING)
Collected Sample Received

Nil

Nil



Technologist
MGR
Page No: 13 of 16

Tanu
DR.TANU RUNGTA
MD (Pathology)
RMC No. 17226



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| | | | |
|-----------------------------------|--------------------------------|--------------------|----------|
| NAME :- Mrs. REENA AGARWAL | Patient ID :-12234686 | Date :- 24/02/2024 | 10:26:46 |
| Age :- 33 Yrs 10 Mon 27 Days | Ref. By Doctor:-BANK OF BARODA | | |
| Sex :- Female | Lab/Hosp :- | | |
| | Company :- Mr.MEDIWHEEL | | |

Final Authentication : 24/02/2024 17:51:00

TOTAL THYROID PROFILE

IMMUNOASSAY

| Test Name | Value | Unit | Biological Ref Interval |
|-----------|-------|------|-------------------------|
|-----------|-------|------|-------------------------|

| | | | |
|------------------------------------|------|--------|-------------|
| THYROID-TRIiodothyronine T3 | 1.25 | ng/ml. | 0.70 - 2.04 |
|------------------------------------|------|--------|-------------|

Method - ECLIA

NOTE: In pregnancy total T3,T4 increase to 1.5 times the normal range.

Reference Range (T3): Premature Infants 26-30 Weeks ,3-4 days 0.24 - 1.32 ng/ml
 Full-Term Infants 1-3 days 0.89 - 4.05 ng/ml
 1 Week 0.91 - 3.00 ng/ml
 1- 11 Months 0.85 - 2.50 ng/ml
 Prepubertal Children 1.19 - 2.18 ng/ml

Reference Ranges (T4): Premature Infants 26-30 weeks ,3-4 days 2.60 - 14.0 ug/dl
 Full -Term Infants 1-3 days 8.20 - 19.9 ug/dl
 1 weeks 6.00 - 15.9 ug/dl 1-11 Months 6.10 - 14.9 ug/dl
 Prepubertal children 12 months-2yrs 6.80 - 13.5 ug/dl
 Prepubertal children 3-9 yrs 5.50 - 12.8 ug/dl

Reference Ranges (TSH): Premature Infants 26-32 weeks ,3-4 Days 0.80 - 6.9 uIU/ml
 Full Term Infants 4 Days 1.36 - 16 uIU/ml

1 - 11 Months:0.90 - 7.70 | Prepubertal children:0.60 - 5.50. Primary malfunction of the thyroid gland may result in hyper or low release of T3 or T4 in addition as TSH directly affect thyroid function malfunction of the pituitary or the hypothalamus influences the thyroid gland activity. Disease in any portion of the thyroid pituitary hypothalamus system may influence the level of T3 and T4 in the blood in Primary hypo thyroidism TSH levels may be low or high depending on the site of the disease. In secondary and tertiary hypothyroidism TSH levels may be low

| | | | |
|-------------------------------|------|-------|--------------|
| THYROID-THYROXINE (T4) | 8.27 | ug/dl | 5.10 - 14.10 |
|-------------------------------|------|-------|--------------|

Method - ECLIA

NOTE-TSH levels are subject to circadian variation, reaching peak levels between 2-4 AM and min between 6-10 PM. The variation is the order of 50% hence time of the day has influence on the measured serum TSH concentration. Dose and time of drug intake also influence the test result. Transient increase in TSH levels or abnormal TSH levels can be seen in some non thyroidal conditions. Simultaneous measurement of TSH with free T4 is useful in evaluating differential diagnosis.

INTERPRETATION-Ultra Sensitive 4th generation assay 1.Primary hyperthyroidism is accompanied by (serum T3 & T4 values along with *TSH level 2.Low TSH,high FT4 and TSH receptor antibody(TRAb) - is seen in patients with Graves disease 3.Low TSH/high FT4 and TSH receptor antibody(TRAb) - is seen in patients with Toxic adenoma/Toxic Multinodular goiter 4.HighTSH,Low FT4 and Thyroid microsomal antibody increased seen in patients with Hashimoto's thyroiditis 5.HighTSH,Low FT4 and Thyroid microsomal antibody -usually seen in patients with iodine deficiency/Congenital T4 synthesis deficiency 6.Low TSH,Low FT4 and TRH stimulation test -Delayed response seen in patients with Tertiary hypothyroidism 7.Primary hypothyroidism is accompanied by (serum T3 and T4 values & serum TSH levels 8.Normal T4 levels accompanied by * T3 levels and low TSH are seen in patients with T3 Thyrotoxicosis 9.Normal or * T3 & T4 10.Normal T3 & T4 along with * TSH indicate mild / Subclinical Hyperthyroidism. 11.Normal T3 & T4 along with * TSH is seen in Hypothyroidism. 12.Normal T3 & T4 levels with * TSH indicate Mild / Subclinical Hypoth

DURING PREGNANCY - REFERENCE RANGE for TSH in uIU/mL (As per American Thyroid Association) 1st Trimester : 0.10-2.50 uIU/ml, 2nd Trimester : 0.20-3.00 uIU/ml, 3rd Trimester : 0.30-3.00 uIU/ml. The production, circulation, and disintegration of thyroid hormones are altered throughout the stages of pregnancy.

REMARK-Assay results should be interpreted in context to the clinical condition and associated results of other investigations. Previous treatment with corticosteroid therapy may result in lower TSH levels while thyroid hormone levels are normal. Results are invalidated if the client has undergone a radioiodine scan within 7-14 days before the test. Abnormal thyroid test findings often found in critically ill patients should be repeated after the critical nature of the condition is resolved. TSH is an important marker for the diagnosis of thyroid dysfunction.Recent studies have shown that the TSH distribution progressively shifts to a higher concentration with age and it is debatable whether this is due to a real change with age or an increasing proportion of unrecognition of thyroid disease in the elderly.

| | | | |
|------------|-------|--------|---------------|
| TSH | 1.353 | uIU/mL | 0.350 - 5.500 |
|------------|-------|--------|---------------|

Method - ECLIA

DR.TANU RUNGTA
MD (Pathology)
RMC No. 17226

Technologist
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NAME :- Mrs. REENA AGARWAL

Age :- 33 Yrs 10 Mon 27 Days

Sex :- Female

Patient ID :-12234686

Date :- 24/02/2024

10:28:46

Ref. By Doctor:-BANK OF BARODA

Lab/Hosp :-

Company :- Mr.MEDIWHEEL

Final Authentication : 24/02/2024 17:51:00

CLINICAL PATHOLOGY

| Test Name | Value | Unit | Biological Ref Interval |
|-------------------------------|-------------|------|-------------------------|
| Urine Routine | | | |
| PHYSICAL EXAMINATION | | | |
| COLOUR | PALE YELLOW | | PALE YELLOW |
| APPEARANCE | Clear | | Clear |
| CHEMICAL EXAMINATION | | | |
| REACTION(PH) | 6.5 | | 5.0 - 7.5 |
| SPECIFIC GRAVITY | 1.015 | | 1.010 - 1.030 |
| PROTEIN | NIL | | NIL |
| SUGAR | NIL | | NIL |
| BILIRUBIN | NEGATIVE | | NEGATIVE |
| UROBILINOGEN | NORMAL | | NORMAL |
| KETONES | NEGATIVE | | NEGATIVE |
| NITRITE | NEGATIVE | | NEGATIVE |
| MICROSCOPY EXAMINATION | | | |
| RBC/HPF | NIL | /HPF | NIL |
| WBC/HPF | 2-3 | /HPF | 2-3 |
| EPITHELIAL CELLS | 2-3 | /HPF | 2-3 |
| CRYSTALS/HPF | ABSENT | | ABSENT |
| CAST/HPF | ABSENT | | ABSENT |
| AMORPHOUS SEDIMENT | ABSENT | | ABSENT |
| BACTERIAL FLORA | ABSENT | | ABSENT |
| YEAST CELL | ABSENT | | ABSENT |
| OTHER | ABSENT | | ABSENT |

Technologist
MGR
Page No: 12 of 16

DR.TANU RUNGTA
MD (Pathology)
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| | | | |
|--------|--------------------|------|------------|
| NAME: | MRS. REENA AGARWAL | AGE | 33 YRS/F |
| REF.BY | BANK OF BARODA | DATE | 24/02/2024 |

CHEST X RAY (PA VIEW)

Bilateral lung fields appear clear.

Bilateral costo-phrenic angles appear clear.

Cardiothoracic ratio is normal.

Thoracic soft tissue and skeletal system appear unremarkable.

Soft tissue shadows appear normal.

IMPRESSION: No significant abnormality is detected

DR. SHALINI GOEL

M.B.B.S, D.N.B (Radiodiagnosis)

RMC No.: 21954



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| | |
|-------------------------------|-------------------------|
| MRS. REENA AGARWAL | 33 Y/F |
| Registration Date: 24/02/2024 | Ref. by: BANK OF BARODA |

ULTRASOUND OF WHOLE ABDOMEN

Liver is of normal size (139 mm). Echo-texture is normal. No focal space occupying lesion is seen within liver parenchyma. Intra hepatic biliary channels are not dilated. Portal vein diameter is normal.

Gall bladder is well distended. Wall is not thickened. No calculus or mass lesion is seen in gall bladder. Common bile duct is not dilated.

Pancreas is of normal size and contour. Echo-pattern is normal. No focal lesion is seen within pancreas.

Spleen is of normal size and shape. Echotexture is normal. No focal lesion is seen.

Kidneys are normally sited and are of normal size and shape. Cortico-medullary echoes are normal. No focal lesion is seen. Collecting system does not show any dilatation or calculus.

Right kidney is measuring approx. 98 mm.

Left kidney is measuring approx. 106 mm.

Urinary bladder does not show any calculus or mass lesion.

Uterus is anteverted and normal in size (measuring approx. 83 x 38 mm). Lower anterior wall cesarean section scar is present.

Myometrium shows normal echo -pattern. No focal space occupying lesion is seen. Endometrial echo is normal. Endometrial thickness is 5.2 mm.

Both ovaries are visualized and are normal. No adnexal mass lesion is seen.

No enlarged nodes are visualized. No retro-peritoneal lesion is identified.

No significant free fluid is seen in pouch of Douglas.

IMPRESSION: No significant abnormality is detected.

Dr. Mukesh Sharma
M.B.B.S; M.D. (Radiodiagnosis)
RMC No. 43418/17437

Dr. MUKESH SHARMA
M.B.B.S., M.D.(Radiodiagnosis)
RMC No. : 43418/17437
P3 Health Solutions LLP



P3 HEALTH SOLUTIONS LLP

(ASSOCIATES OF MAXCARE DIAGNOSTICS)

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| | |
|-------------------------------|-------------------------|
| MRS. REENA AGARWAL | 33 Y/F |
| Registration Date: 24/02/2024 | Ref. by: BANK OF BARODA |

2D-ECHOCARDIOGRAPHY M.MODE WITH DOPPLER STUDY:
FAIR TRANSTHORACIC ECHOCARDIOGRAPHIC WINDOW MORPHOLOGY:

| | | | |
|--------------|--------|-----------------|--------|
| MITRAL VALVE | NORMAL | TRICUSPID VALVE | NORMAL |
| AORTIC VALVE | NORMAL | PULMONARY VALVE | NORMAL |

M.MODE EXAMINATION:

| | | | | | | | | |
|--------|--------|----|--------|-----|----|--------|-----|----|
| AO | 2.6 | Cm | LA | 2.7 | cm | IVS-D | 0.8 | cm |
| IVS-S | 1.1 | cm | LVID | 4.0 | cm | LVSD | 2.7 | cm |
| LVPW-D | 0.9 | cm | LVPW-S | 1.1 | cm | RV | | cm |
| RVWT | | cm | EDV | | ml | LVVS | | ml |
| LVEF | 55-60% | | RWMA | | | ABSENT | | |

CHAMBERS:

| | | | |
|-------------|--------|----|--------|
| LA | NORMAL | RA | NORMAL |
| LV | NORMAL | RV | NORMAL |
| PERICARDIUM | NORMAL | | |

COLOUR DOPPLER:

| | | | | |
|-------------------------|--------|--------|-------------------|-------|
| MITRAL VALVE | | | | |
| E VELOCITY | 0.88 | m/sec | PEAK GRADIENT | Mm/hg |
| A VELOCITY | 0.49 | m/sec | MEAN GRADIENT | Mm/hg |
| MVA BY PHT | | Cm2 | MVA BY PLANIMETRY | Cm2 |
| MITRAL REGURGITATION | ABSENT | | | |
| AORTIC VALVE | | | | |
| PEAK VELOCITY | 1.20 | m/sec | PEAK GRADIENT | mm/hg |
| AR VMAX | | m/sec | MEAN GRADIENT | mm/hg |
| AORTIC REGURGITATION | ABSENT | | | |
| TRICUSPID VALVE | | | | |
| PEAK VELOCITY | | m/sec | PEAK GRADIENT | mm/hg |
| MEAN VELOCITY | | m/sec | MEAN GRADIENT | mm/hg |
| VMax VELOCITY | | | | |
| TRICUSPID REGURGITATION | MILD | | | |
| PULMONARY VALVE | | | | |
| PEAK VELOCITY | 0.68 | M/sec. | PEAK GRADIENT | Mm/hg |
| MEAN VELOCITY | | | MEAN GRADIENT | Mm/hg |
| PULMONARY REGURGITATION | ABSENT | | | |

Impression—

- NORMAL LV SIZE & CONTRACTILITY.
- NO RWMA, LVEF 55-60%.
- MILD TR/ PAH (RVSP 23 MMHG+ RAP).
- NORMAL DIASTOLIC FUNCTION.
- NO CLOT, NO VEGETATION, NO PERICARDIAL EFFUSION.

Dr. JYOTI AGARWAL
MBBS, MDCC (Cardiologist)
(Cardiologist)
RMC No.- 27255

Teem (P) Ltd

#P3 HEALTH SOLUTIONS LLP B-14, Vidhyadhar nahar , Jaipur

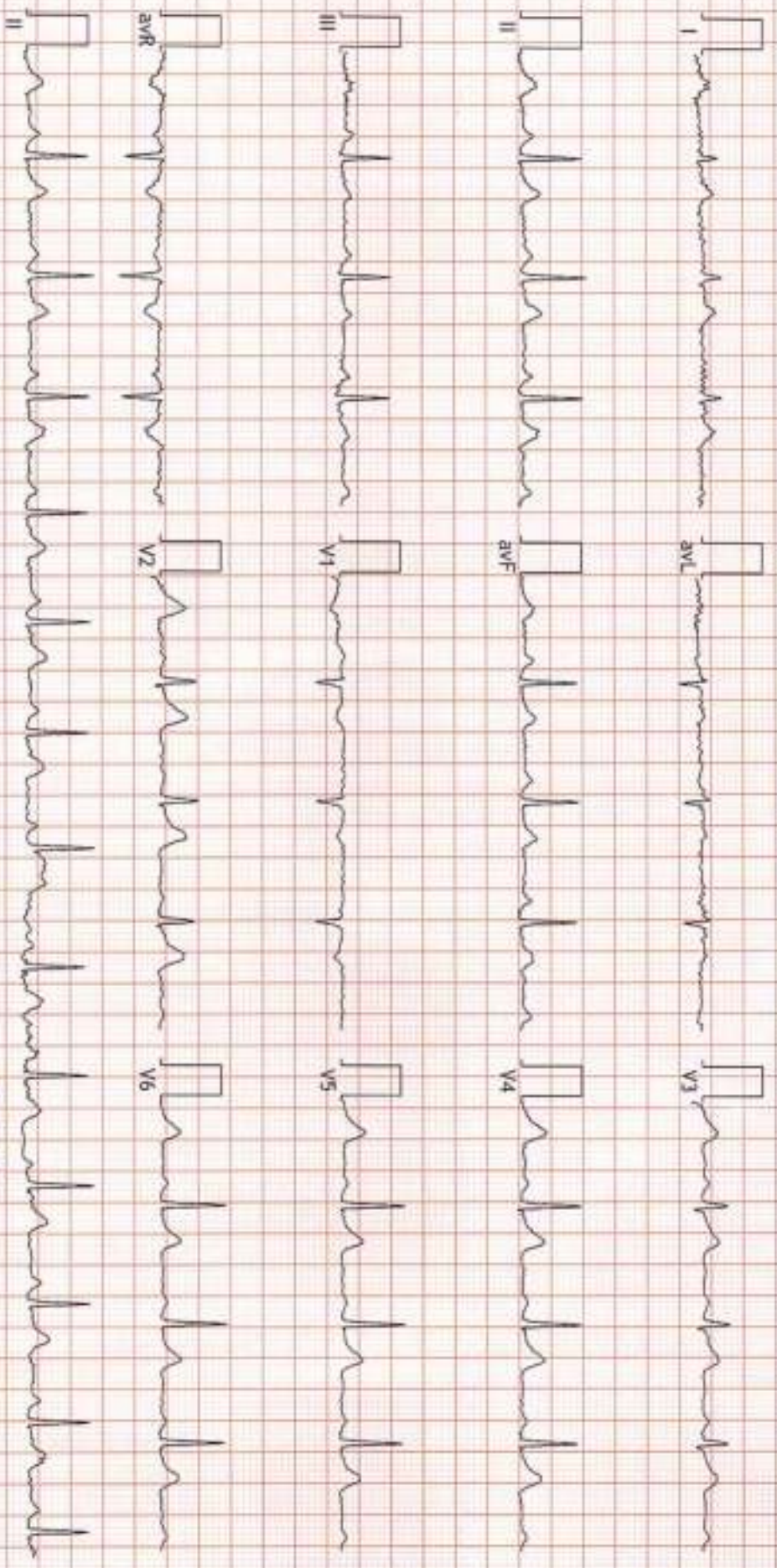
128541925460945/Mrs Reena Agarwal 33Yrs/Female Kgs/31 Cms BP: ___/___ mmHg

Ref.: BANK OF BARODA Test Date: 24-Feb-2024(4:45:15 P) Modch: 50Hz 0.05Hz - 35Hz 10mm/mV 25mm/Sec

HR: 78 bpm



PR Interval: 138 ms
QRS Duration: 122 ms
QT/QTc: 393/448ms
P-QRS-T Axis: 91 - 68 - 50 (Deg)



FINDINGS: Normal Variant with 4 PAC/min Observed

Vent Rate : 78 bpm; PR Interval : 138 ms; QRS Duration: 122 ms; QT/QTc Int : 393/448 ms

P-QRS-T axis: 91 - 68 - 50 - (Deg)

Comments :

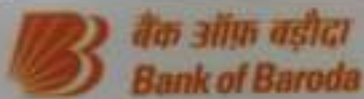
ML

Dr. Anshu Kumar Mohanka

RMC No. 35703

ABBS DIP CARDIO/ESCORTS

D.EM/PROG/UNNKA



नाम **रैना अग्रवाल**
Name **REENA AGARWAL**

कर्मचारी कोड नं. **180224**
Employee Code No.



अधिकारी अधिकारी
Issuing Authority



धारक के हस्ताक्षर
Signature of Holder



REDMI NOTE 9 PRO MAX

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GPS Map Camera

Jaipur, Rajasthan, India

CANTEEN, SHANKARA EYE HOSPITAL, 6/168, Sector 2, Sector 6, Vidyadhar Nagar,
Jaipur, Rajasthan 302032, India

Lat 26.964559°

Long 75.782524°

24/02/24 04:20 PM GMT +05:30



Google



 **GPS Map Camera**

Jaipur, Rajasthan, India

G49, Vidhyadhar Enclave II, near Cinestar, Sector 2, Central Spine, Vidyadhar Nagar,
Jaipur, Rajasthan 302023, India

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Long 75.782528°

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12234686 REENA AGARWAL 33 YRS , MEDIWHEEL F

24 FEB 2024

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