

Age **31 11 27**  
years months days

Gender **Female**

Heart Rate **69 bpm**

**Patient Vitals**

BP: NA

Weight: NA

Height: NA

Pulse: NA

Spo2: NA

Resp: NA

Others: \_\_\_\_\_

**Measurements**

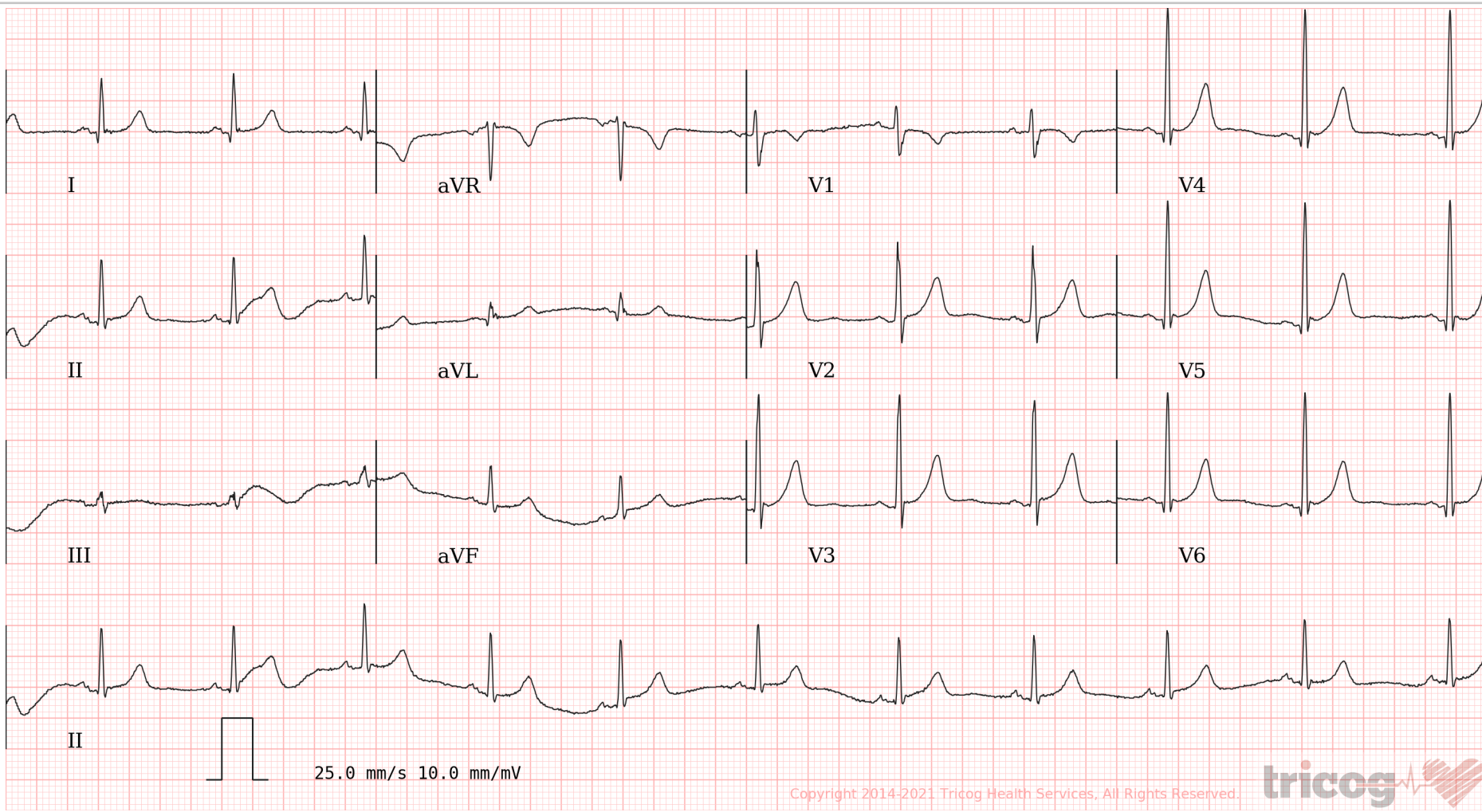
QSRD: 74 ms

QT: 368 ms

QTc: 394 ms

PR: 128 ms

P-R-T: 29° 39° 40°



ECG Within Normal Limits: Sinus Rhythm, Normal Axis. Please correlate clinically.

REPORTED BY

*Shishir*

Dr. SHISHIR SHETTY  
MBBS.D-CARD  
2006/01/0250



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CID : 2136425958  
Name : MRS.RAINA KHARE  
Age / Gender : 31 Years / Female  
Consulting Dr. : -  
Reg. Location : Vasai (Main Centre)

Collected : 30-Dec-2021 / 09:04  
Reported : 30-Dec-2021 / 11:41

R  
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**AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE**

**CBC (Complete Blood Count), Blood**

| <u>PARAMETER</u>                                   | <u>RESULTS</u> | <u>BIOLOGICAL REF RANGE</u> | <u>METHOD</u>      |
|--|----------------|-----------------------------|--------------------|
| <b><u>RBC PARAMETERS</u></b>                       |                |                             |                    |
| Haemoglobin  | 13.2           | 12.0-15.0 g/dL              | Spectrophotometric |
| RBC  | 4.76           | 3.8-4.8 mil/cmm             | Elect. Impedance   |
| PCV  | 40.9           | 36-46 %                     | Measured           |
| MCV  | 86             | 80-100 fl                   | Calculated         |
| MCH  | 27.6           | 27-32 pg                    | Calculated         |
| MCHC   | 32.2           | 31.5-34.5 g/dL              | Calculated         |
| RDW  | 14.8           | 11.6-14.0 %                 | Calculated         |
| <b><u>WBC PARAMETERS</u></b>                       |                |                             |                    |
| WBC Total Count                                    | 6940           | 4000-10000 /cmm             | Elect. Impedance   |
| <b><u>WBC DIFFERENTIAL AND ABSOLUTE COUNTS</u></b> |                |                             |                    |
| Lymphocytes  | 29.8           | 20-40 %                     |                    |
| Absolute Lymphocytes                               | 2068.1         | 1000-3000 /cmm              | Calculated         |
| Monocytes  | 8.4            | 2-10 %                      |                    |
| Absolute Monocytes                                 | 583.0          | 200-1000 /cmm               | Calculated         |
| Neutrophils  | 57.5           | 40-80 %                     |                    |
| Absolute Neutrophils                               | 3990.5         | 2000-7000 /cmm              | Calculated         |
| Eosinophils  | 3.6            | 1-6 %                       |                    |
| Absolute Eosinophils                               | 249.8          | 20-500 /cmm                 | Calculated         |
| Basophils  | 0.7            | 0.1-2 %                     |                    |
| Absolute Basophils                                 | 48.6           | 20-100 /cmm                 | Calculated         |
| Immature Leukocytes                                | -              |                             |                    |

WBC Differential Count by Absorbance & Impedance method/Microscopy.

**PLATELET PARAMETERS**

|                |        |                    |                  |
|----------------|--------|--------------------|------------------|
| Platelet Count | 268000 | 150000-400000 /cmm | Elect. Impedance |
| MPV            | 9.8    | 6-11 fl            | Calculated       |
| PDW            | 18.7   | 11-18 %            | Calculated       |

**RBC MORPHOLOGY**

|              |   |
|--------------|---|
| Hypochromia  | - |
| Microcytosis | - |



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Macrocytosis -  
Anisocytosis -  
Poikilocytosis -  
Polychromasia -  
Target Cells -  
Basophilic Stippling -  
Normoblasts -  
Others Normocytic, Normochromic  
WBC MORPHOLOGY -  
PLATELET MORPHOLOGY -  
COMMENT -

Specimen: EDTA Whole Blood

ESR, EDTA WB-ESR 4 2-20 mm at 1 hr. Westergren

\*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD Borivali Lab, Borivali West  
\*\*\* End Of Report \*\*\*



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*Bmhaskar*

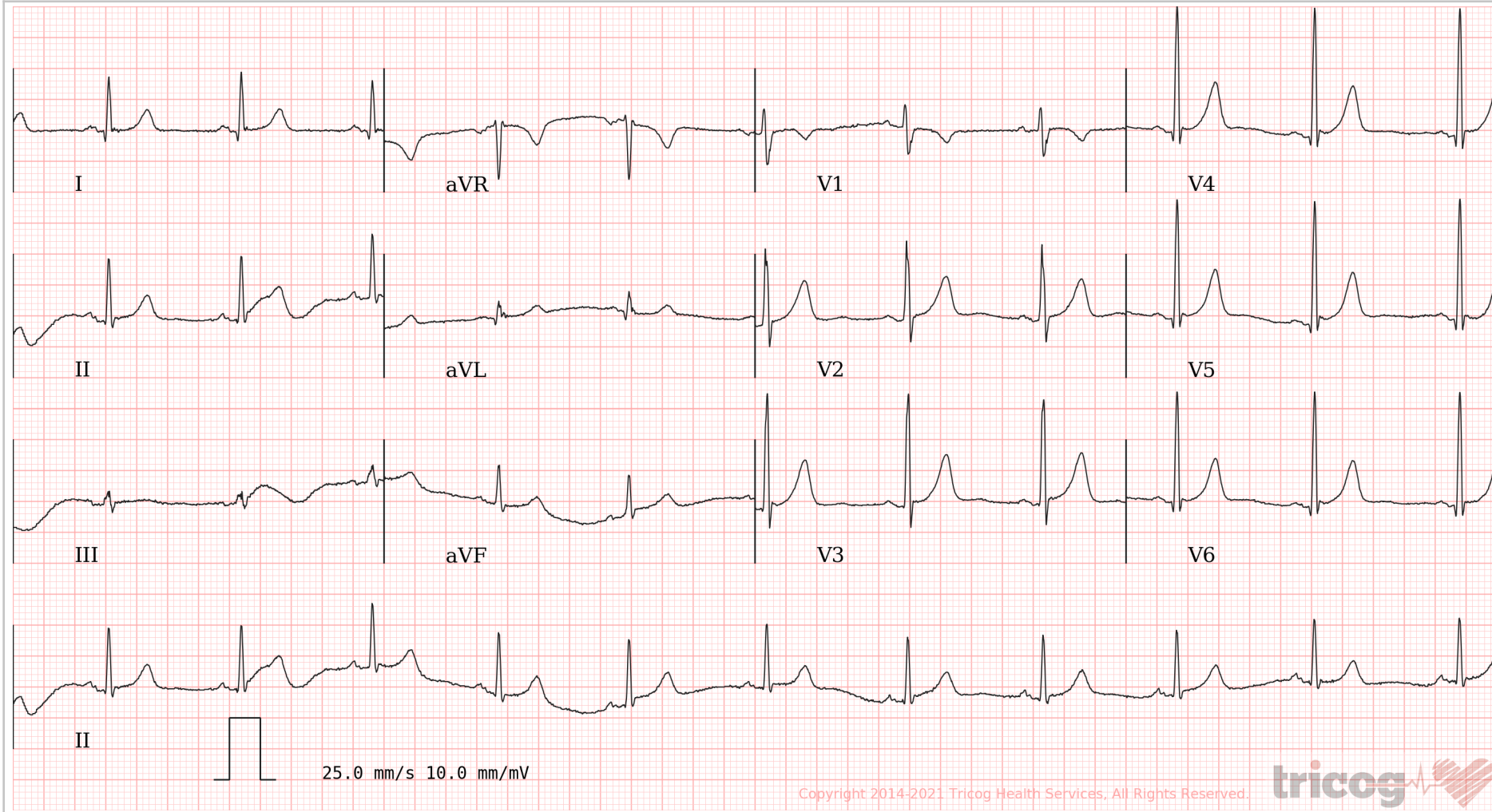
Dr.KETAKI MHASKAR  
M.D. (PATH)  
Pathologist

ADDRESS: 2<sup>nd</sup> Floor, Aston, Sundervan Complex, Above Mercedes Showroom, Andheri West - 400053

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years months days

Gender **Female**

Heart Rate **69 bpm**

**Patient Vitals**

BP: NA

Weight: NA

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**Measurements**

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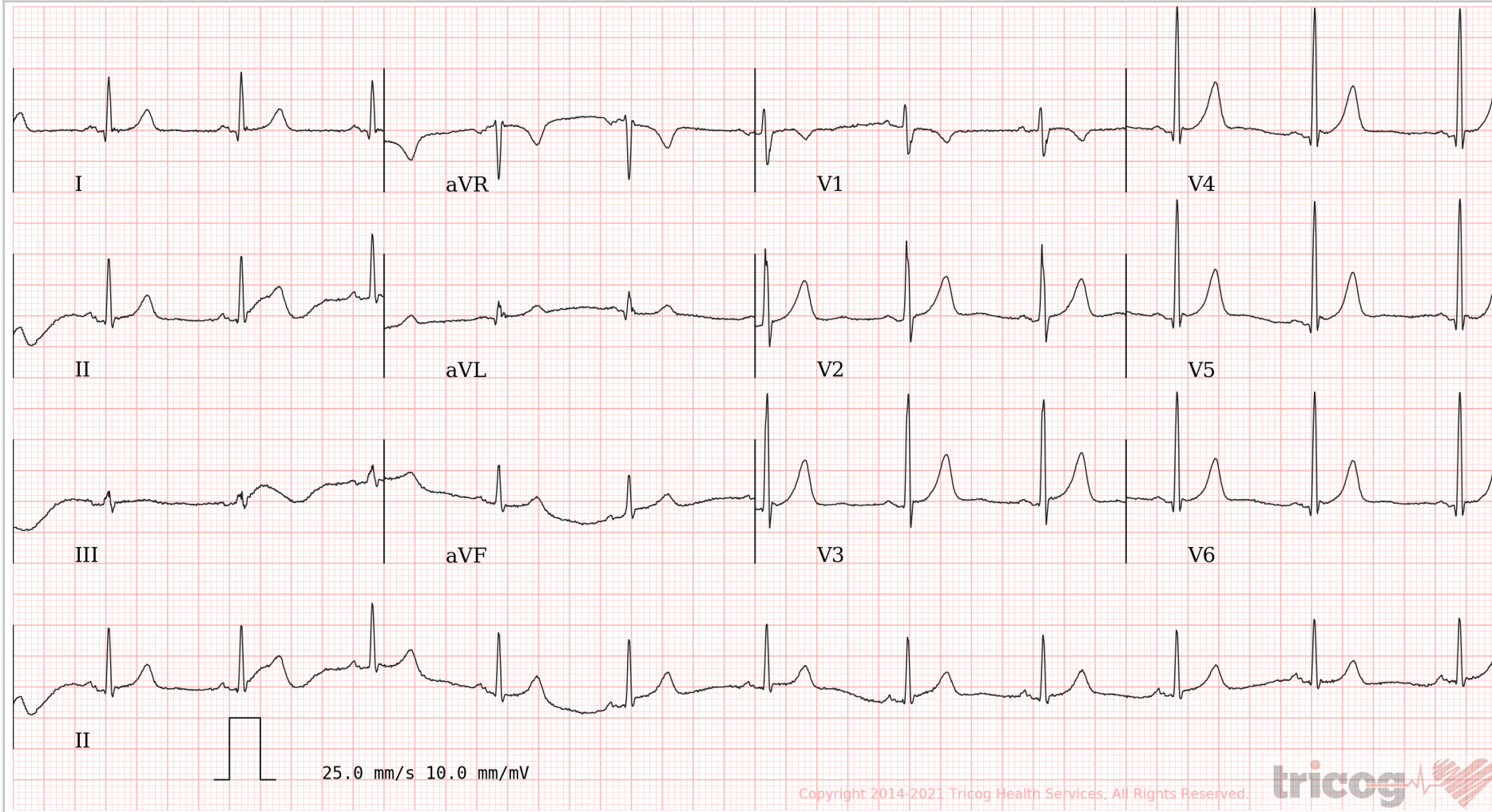
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years months days

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**AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE**

**CBC (Complete Blood Count), Blood**

| <u>PARAMETER</u>                                   | <u>RESULTS</u> | <u>BIOLOGICAL REF RANGE</u> | <u>METHOD</u>      |
|--|----------------|-----------------------------|--------------------|
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| Absolute Basophils                                 | 48.6           | 20-100 /cmm                 | Calculated         |
| Immature Leukocytes                                | -              |                             |                    |

WBC Differential Count by Absorbance & Impedance method/Microscopy.

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|                |        |                    |                  |
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| MPV            | 9.8    | 6-11 fl            | Calculated       |
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|              |   |
|--------------|---|
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| Microcytosis | - |



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Anisocytosis -  
Poikilocytosis -  
Polychromasia -  
Target Cells -  
Basophilic Stippling -  
Normoblasts -  
Others Normocytic, Normochromic  
WBC MORPHOLOGY -  
PLATELET MORPHOLOGY -  
COMMENT -

Specimen: EDTA Whole Blood

ESR, EDTA WB-ESR 4 2-20 mm at 1 hr. Westergren

\*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD Borivali Lab, Borivali West  
\*\*\* End Of Report \*\*\*



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*Bmhaskar*

Dr.KETAKI MHASKAR  
M.D. (PATH)  
Pathologist

ADDRESS: 2<sup>nd</sup> Floor, Aston, Sundervan Complex, Above Mercedes Showroom, Andheri West - 400053

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## AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE

### CBC (Complete Blood Count), Blood

| PARAMETER  | RESULTS | BIOLOGICAL REF RANGE | METHOD             |
|--|---------|----------------------|--------------------|
| <b><u>RBC PARAMETERS</u></b>                       |         |                      |                    |
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| RBC  | 4.76    | 3.8-4.8 mil/cmm      | Elect. Impedance   |
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| Absolute Basophils                                 | 48.6    | 20-100 /cmm          | Calculated         |
| Immature Leukocytes                                | -       |                      |                    |

WBC Differential Count by Absorbance & Impedance method/Microscopy.

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|                |        |                    |                  |
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### **RBC MORPHOLOGY**

|              |   |
|--------------|---|
| Hypochromia  | - |
| Microcytosis | - |





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Target Cells -  
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PLATELET MORPHOLOGY -  
COMMENT -

Specimen: EDTA Whole Blood

ESR, EDTA WB-ESR 4 2-20 mm at 1 hr. Westergren

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Reported : 30-Dec-2021 / 12:24

**AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE**

| <u>PARAMETER</u>                         | <u>RESULTS</u> | <u>BIOLOGICAL REF RANGE</u>   | <u>METHOD</u>    |
|--|----------------|---|------------------|
| GLUCOSE (SUGAR) FASTING, Fluoride Plasma | 95.0           | Non-Diabetic: < 100 mg/dl<br>Impaired Fasting Glucose: 100-125 mg/dl<br>Diabetic: >/= 126 mg/dl | Hexokinase       |
| BILIRUBIN (TOTAL), Serum                 | 0.43           | 0.1-1.2 mg/dl   | Colorimetric     |
| BILIRUBIN (DIRECT), Serum                | 0.23           | 0-0.3 mg/dl   | Diazo            |
| BILIRUBIN (INDIRECT), Serum              | 0.20           | 0.1-1.0 mg/dl   | Calculated       |
| TOTAL PROTEINS, Serum                    | 6.3            | 6.4-8.3 g/dL  | Biuret           |
| ALBUMIN, Serum                           | 4.5            | 3.5-5.2 g/dL  | BCG              |
| GLOBULIN, Serum                          | 1.8            | 2.3-3.5 g/dL  | Calculated       |
| A/G RATIO, Serum                         | 2.5            | 1 - 2   | Calculated       |
| SGOT (AST), Serum                        | 13.1           | 5-32 U/L  | NADH (w/o P-5-P) |
| SGPT (ALT), Serum                        | 15.1           | 5-33 U/L  | NADH (w/o P-5-P) |
| GAMMA GT, Serum                          | 12.4           | 3-40 U/L  | Enzymatic        |
| ALKALINE PHOSPHATASE, Serum              | 51.7           | 35-105 U/L  | Colorimetric     |
| BLOOD UREA, Serum                        | 14.2           | 12.8-42.8 mg/dl   | Kinetic          |
| BUN, Serum                               | 6.6            | 6-20 mg/dl  | Calculated       |
| CREATININE, Serum                        | 0.66           | 0.51-0.95 mg/dl   | Enzymatic        |
| eGFR, Serum                              | 110            | >60 ml/min/1.73sqm  | Calculated       |
| URIC ACID, Serum                         | 4.8            | 2.4-5.7 mg/dl   | Enzymatic        |

\*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD Borivali Lab, Borivali West

\*\*\* End Of Report \*\*\*



MC-2111

**Dr. ANUPA DIXIT**  
M.D.(PATH)  
Consultant Pathologist & Lab  
Director

ADDRESS: 2<sup>nd</sup> Floor, Aston, Sundervan Complex, Above Mercedes Showroom, Andheri West - 400053

HEALTHLINE - MUMBAI: 022-6170-0000 | OTHER CITIES: 1800-266-4343

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**AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE**  
**GLYCOSYLATED HEMOGLOBIN (HbA1c)**

| PARAMETER                                     | RESULTS | BIOLOGICAL REF RANGE  | METHOD     |
|---|---------|---|------------|
| Glycosylated Hemoglobin (HbA1c), EDTA WB - CC | 5.0     | Non-Diabetic Level: < 5.7 %<br>Prediabetic Level: 5.7-6.4 %<br>Diabetic Level: >= 6.5 % | HPLC       |
| Estimated Average Glucose (eAG), EDTA WB - CC | 96.8    | mg/dl   | Calculated |

**Intended use:**

- In patients who are meeting treatment goals, HbA1c test should be performed at least 2 times a year
- In patients whose therapy has changed or who are not meeting glycemic goals, it should be performed quarterly
- For microvascular disease prevention, the HbA1C goal for non pregnant adults in general is Less than 7%.

**Clinical Significance:**

- HbA1c, Glycosylated hemoglobin or glycated hemoglobin, is hemoglobin with glucose molecule attached to it.
- The HbA1c test evaluates the average amount of glucose in the blood over the last 2 to 3 months by measuring the percentage of glycosylated hemoglobin in the blood.

**Test Interpretation:**

- The HbA1c test evaluates the average amount of glucose in the blood over the last 2 to 3 months by measuring the percentage of Glycosylated hemoglobin in the blood.
- HbA1c test may be used to screen for and diagnose diabetes or risk of developing diabetes.
- To monitor compliance and long term blood glucose level control in patients with diabetes.
- Index of diabetic control, predicting development and progression of diabetic micro vascular complications.

**Factors affecting HbA1c results:**

**Increased in:** High fetal hemoglobin, Chronic renal failure, Iron deficiency anemia, Splenectomy, Increased serum triglycerides, Alcohol ingestion, Lead/opiate poisoning and Salicylate treatment.

**Decreased in:** Shortened RBC lifespan (Hemolytic anemia, blood loss), following transfusions, pregnancy, ingestion of large amount of Vitamin E or Vitamin C and Hemoglobinopathies

**Reflex tests:** Blood glucose levels, CGM (Continuous Glucose monitoring)

**References:** ADA recommendations, AACC, Wallach's interpretation of diagnostic tests 10th edition.

\*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD CPL, Andheri West

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MC-2111



*J. Thakker*

**Dr. JYOT THAKKER**  
M.D. (PATH), DPB  
Pathologist & AVP( Medical Services)



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**AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE**  
**LIPID PROFILE**

| PARAMETER                        | RESULTS | BIOLOGICAL REF RANGE  | METHOD     |
|----------------------------------|---------|---|------------|
| CHOLESTEROL, Serum               | 119.5   | Desirable: <200 mg/dl<br>Borderline High: 200-239mg/dl<br>High: >/=240 mg/dl  | Enzymatic  |
| TRIGLYCERIDES, Serum             | 59.6    | Normal: <150 mg/dl<br>Borderline-high: 150 - 199 mg/dl<br>High: 200 - 499 mg/dl<br>Very high:>/=500 mg/dl                                     | Enzymatic  |
| HDL CHOLESTEROL, Serum           | 36.3    | Desirable: >60 mg/dl<br>Borderline: 40 - 60 mg/dl<br>Low (High risk): <40 mg/dl   | Enzymatic  |
| NON HDL CHOLESTEROL, Serum       | 83.2    | Desirable: <130 mg/dl<br>Borderline-high:130 - 159 mg/dl<br>High:160 - 189 mg/dl<br>Very high: >/=190 mg/dl                                   | Calculated |
| LDL CHOLESTEROL, Serum           | 71.0    | Optimal: <100 mg/dl<br>Near Optimal: 100 - 129 mg/dl<br>Borderline High: 130 - 159 mg/dl<br>High: 160 - 189 mg/dl<br>Very High: >/= 190 mg/dl | Calculated |
| VLDL CHOLESTEROL, Serum          | 12.2    | < /= 30 mg/dl   | Calculated |
| CHOL / HDL CHOL RATIO, Serum     | 3.3     | 0-4.5 Ratio   | Calculated |
| LDL CHOL / HDL CHOL RATIO, Serum | 2.0     | 0-3.5 Ratio   | Calculated |

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**AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE**  
**THYROID FUNCTION TESTS**

| <u>PARAMETER</u>    | <u>RESULTS</u> | <u>BIOLOGICAL REF RANGE</u>   | <u>METHOD</u> |
|---------------------|----------------|---|---------------|
| Free T3, Serum      | 5.5            | 3.5-6.5 pmol/L  | ECLIA         |
| Free T4, Serum      | 17.2           | 11.5-22.7 pmol/L<br>First Trimester:9.0-24.7<br>Second Trimester:6.4-20.59<br>Third Trimester:6.4-20.59 | ECLIA         |
| sensitiveTSH, Serum | 2.35           | 0.35-5.5 microIU/ml<br>First Trimester:0.1-2.5<br>Second Trimester:0.2-3.0<br>Third Trimester:0.3-3.0   | ECLIA         |





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**Interpretation:**

A thyroid panel is used to evaluate thyroid function and/or help diagnose various thyroid disorders.

**Clinical Significance:**

- 1)TSH Values between 5.5 to 15 microIU/ml should be correlated clinically or repeat the test with new sample as physiological factors can give falsely high TSH.
- 2)TSH values may be transiently altered because of non thyroidal illness like severe infections,liver disease, renal and heart severe burns, trauma and surgery etc.

| TSH  | FT4 / T4 | FT3 / T3 | Interpretation  |
|------|----------|----------|---|
| High | Normal   | Normal   | Subclinical hypothyroidism, poor compliance with thyroxine, drugs like amiodarone, Recovery phase of non-thyroidal illness, TSH Resistance.   |
| High | Low      | Low      | Hypothyroidism, Autoimmune thyroiditis, post radio iodine Rx, post thyroidectomy, Anti thyroid drugs, tyrosine kinase inhibitors & amiodarone, amyloid deposits in thyroid, thyroid tumors & congenital hypothyroidism. |
| Low  | High     | High     | Hyperthyroidism, Graves disease, toxic multinodular goiter, toxic adenoma, excess iodine or thyroxine intake, pregnancy related (hyperemesis gravidarum, hydatiform mole)   |
| Low  | Normal   | Normal   | Subclinical Hyperthyroidism, recent Rx for Hyperthyroidism, drugs like steroids & dopamine), Non thyroidal illness.   |
| Low  | Low      | Low      | Central Hypothyroidism, Non Thyroidal Illness, Recent Rx for Hyperthyroidism.   |
| High | High     | High     | Interfering anti TPO antibodies, Drug interference: Amiodarone, Heparin, Beta Blockers, steroids & anti epileptics.   |

**Diurnal Variation:**TSH follows a diurnal rhythm and is at maximum between 2 am and 4 am , and is at a minimum between 6 pm and 10 pm. The variation is on the order of 50 to 206%. Biological variation:19.7%(with in subject variation)

**Reflex Tests:**Anti thyroid Antibodies,USG Thyroid ,TSH receptor Antibody. Thyroglobulin, Calcitonin

**Limitations:**Samples should not be taken from patients receiving therapy with high biotin doses (i.e. >5 mg/day) until atleast 8 hours following the last biotin administration.

**Reference:**

- 1.O.koulouri et al. / Best Practice and Research clinical Endocrinology and Metabolism 27(2013)
- 2.Interpretation of the thyroid function tests, Dayan et al. THE LANCET . Vol 357
- 3.Tietz ,Text Book of Clinical Chemistry and Molecular Biology -5th Edition
- 4.Biological Variation:From principles to Practice-Callum G Fraser (AACC Press)

\*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD Borivali Lab, Borivali West

\*\*\* End Of Report \*\*\*



MC-2111

*Anupa*

**Dr. ANUPA DIXIT**  
M.D.(PATH)  
Consultant Pathologist & Lab  
Director

ADDRESS: 2<sup>nd</sup> Floor, Aston, Sundervan Complex, Above Mercedes Showroom, Andheri West - 400053

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CID : 2136425958  
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Age / Gender : 31 Years / Female  
Consulting Dr. : -  
Reg. Location : Vasai (Main Centre)

Collected : 30-Dec-2021 / 09:04  
Reported : 30-Dec-2021 / 11:41

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**AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE**

**CBC (Complete Blood Count), Blood**

| <u>PARAMETER</u>                                   | <u>RESULTS</u> | <u>BIOLOGICAL REF RANGE</u> | <u>METHOD</u>      |
|--|----------------|-----------------------------|--------------------|
| <b><u>RBC PARAMETERS</u></b>                       |                |                             |                    |
| Haemoglobin  | 13.2           | 12.0-15.0 g/dL              | Spectrophotometric |
| RBC  | 4.76           | 3.8-4.8 mil/cmm             | Elect. Impedance   |
| PCV  | 40.9           | 36-46 %                     | Measured           |
| MCV  | 86             | 80-100 fl                   | Calculated         |
| MCH  | 27.6           | 27-32 pg                    | Calculated         |
| MCHC   | 32.2           | 31.5-34.5 g/dL              | Calculated         |
| RDW  | 14.8           | 11.6-14.0 %                 | Calculated         |
| <b><u>WBC PARAMETERS</u></b>                       |                |                             |                    |
| WBC Total Count                                    | 6940           | 4000-10000 /cmm             | Elect. Impedance   |
| <b><u>WBC DIFFERENTIAL AND ABSOLUTE COUNTS</u></b> |                |                             |                    |
| Lymphocytes  | 29.8           | 20-40 %                     |                    |
| Absolute Lymphocytes                               | 2068.1         | 1000-3000 /cmm              | Calculated         |
| Monocytes  | 8.4            | 2-10 %                      |                    |
| Absolute Monocytes                                 | 583.0          | 200-1000 /cmm               | Calculated         |
| Neutrophils  | 57.5           | 40-80 %                     |                    |
| Absolute Neutrophils                               | 3990.5         | 2000-7000 /cmm              | Calculated         |
| Eosinophils  | 3.6            | 1-6 %                       |                    |
| Absolute Eosinophils                               | 249.8          | 20-500 /cmm                 | Calculated         |
| Basophils  | 0.7            | 0.1-2 %                     |                    |
| Absolute Basophils                                 | 48.6           | 20-100 /cmm                 | Calculated         |
| Immature Leukocytes                                | -              |                             |                    |

WBC Differential Count by Absorbance & Impedance method/Microscopy.

**PLATELET PARAMETERS**

|                |        |                    |                  |
|----------------|--------|--------------------|------------------|
| Platelet Count | 268000 | 150000-400000 /cmm | Elect. Impedance |
| MPV            | 9.8    | 6-11 fl            | Calculated       |
| PDW            | 18.7   | 11-18 %            | Calculated       |

**RBC MORPHOLOGY**

|              |   |
|--------------|---|
| Hypochromia  | - |
| Microcytosis | - |



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Collected : 30-Dec-2021 / 09:04  
Reported : 30-Dec-2021 / 11:33

Macrocytosis -  
Anisocytosis -  
Poikilocytosis -  
Polychromasia -  
Target Cells -  
Basophilic Stippling -  
Normoblasts -  
Others Normocytic, Normochromic  
WBC MORPHOLOGY -  
PLATELET MORPHOLOGY -  
COMMENT -

Specimen: EDTA Whole Blood

ESR, EDTA WB-ESR 4 2-20 mm at 1 hr. Westergren

\*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD Borivali Lab, Borivali West  
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MC-2111

*Bmhaskar*

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Pathologist

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Reg. Location : Vasai (Main Centre)

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## AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE

### CBC (Complete Blood Count), Blood

| PARAMETER  | RESULTS | BIOLOGICAL REF RANGE | METHOD             |
|--|---------|----------------------|--------------------|
| <b><u>RBC PARAMETERS</u></b>                       |         |                      |                    |
| Haemoglobin  | 13.2    | 12.0-15.0 g/dL       | Spectrophotometric |
| RBC  | 4.76    | 3.8-4.8 mil/cmm      | Elect. Impedance   |
| PCV  | 40.9    | 36-46 %              | Measured           |
| MCV  | 86      | 80-100 fl            | Calculated         |
| MCH  | 27.6    | 27-32 pg             | Calculated         |
| MCHC   | 32.2    | 31.5-34.5 g/dL       | Calculated         |
| RDW  | 14.8    | 11.6-14.0 %          | Calculated         |
| <b><u>WBC PARAMETERS</u></b>                       |         |                      |                    |
| WBC Total Count                                    | 6940    | 4000-10000 /cmm      | Elect. Impedance   |
| <b><u>WBC DIFFERENTIAL AND ABSOLUTE COUNTS</u></b> |         |                      |                    |
| Lymphocytes  | 29.8    | 20-40 %              |                    |
| Absolute Lymphocytes                               | 2068.1  | 1000-3000 /cmm       | Calculated         |
| Monocytes  | 8.4     | 2-10 %               |                    |
| Absolute Monocytes                                 | 583.0   | 200-1000 /cmm        | Calculated         |
| Neutrophils  | 57.5    | 40-80 %              |                    |
| Absolute Neutrophils                               | 3990.5  | 2000-7000 /cmm       | Calculated         |
| Eosinophils  | 3.6     | 1-6 %                |                    |
| Absolute Eosinophils                               | 249.8   | 20-500 /cmm          | Calculated         |
| Basophils  | 0.7     | 0.1-2 %              |                    |
| Absolute Basophils                                 | 48.6    | 20-100 /cmm          | Calculated         |
| Immature Leukocytes                                | -       |                      |                    |

WBC Differential Count by Absorbance & Impedance method/Microscopy.

### **PLATELET PARAMETERS**

|                |        |                    |                  |
|----------------|--------|--------------------|------------------|
| Platelet Count | 268000 | 150000-400000 /cmm | Elect. Impedance |
| MPV            | 9.8    | 6-11 fl            | Calculated       |
| PDW            | 18.7   | 11-18 %            | Calculated       |

### **RBC MORPHOLOGY**

|              |   |
|--------------|---|
| Hypochromia  | - |
| Microcytosis | - |





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CID : 2136425958  
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Reg. Location : Vasai (Main Centre)

Collected : 30-Dec-2021 / 09:04  
Reported : 30-Dec-2021 / 11:33

Macrocytosis -  
Anisocytosis -  
Poikilocytosis -  
Polychromasia -  
Target Cells -  
Basophilic Stippling -  
Normoblasts -  
Others Normocytic, Normochromic  
WBC MORPHOLOGY -  
PLATELET MORPHOLOGY -  
COMMENT -

Specimen: EDTA Whole Blood

ESR, EDTA WB-ESR 4 2-20 mm at 1 hr. Westergren

\*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD Borivali Lab, Borivali West  
\*\*\* End Of Report \*\*\*



MC-2111

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M.D. (PATH)  
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Reg. Location : Vasai (Main Centre)

Collected : 30-Dec-2021 / 09:04  
Reported : 30-Dec-2021 / 11:41

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**AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE**

**CBC (Complete Blood Count), Blood**

| <u>PARAMETER</u>                                   | <u>RESULTS</u> | <u>BIOLOGICAL REF RANGE</u> | <u>METHOD</u>      |
|--|----------------|-----------------------------|--------------------|
| <b><u>RBC PARAMETERS</u></b>                       |                |                             |                    |
| Haemoglobin  | 13.2           | 12.0-15.0 g/dL              | Spectrophotometric |
| RBC  | 4.76           | 3.8-4.8 mil/cmm             | Elect. Impedance   |
| PCV  | 40.9           | 36-46 %                     | Measured           |
| MCV  | 86             | 80-100 fl                   | Calculated         |
| MCH  | 27.6           | 27-32 pg                    | Calculated         |
| MCHC   | 32.2           | 31.5-34.5 g/dL              | Calculated         |
| RDW  | 14.8           | 11.6-14.0 %                 | Calculated         |
| <b><u>WBC PARAMETERS</u></b>                       |                |                             |                    |
| WBC Total Count                                    | 6940           | 4000-10000 /cmm             | Elect. Impedance   |
| <b><u>WBC DIFFERENTIAL AND ABSOLUTE COUNTS</u></b> |                |                             |                    |
| Lymphocytes  | 29.8           | 20-40 %                     |                    |
| Absolute Lymphocytes                               | 2068.1         | 1000-3000 /cmm              | Calculated         |
| Monocytes  | 8.4            | 2-10 %                      |                    |
| Absolute Monocytes                                 | 583.0          | 200-1000 /cmm               | Calculated         |
| Neutrophils  | 57.5           | 40-80 %                     |                    |
| Absolute Neutrophils                               | 3990.5         | 2000-7000 /cmm              | Calculated         |
| Eosinophils  | 3.6            | 1-6 %                       |                    |
| Absolute Eosinophils                               | 249.8          | 20-500 /cmm                 | Calculated         |
| Basophils  | 0.7            | 0.1-2 %                     |                    |
| Absolute Basophils                                 | 48.6           | 20-100 /cmm                 | Calculated         |
| Immature Leukocytes                                | -              |                             |                    |

WBC Differential Count by Absorbance & Impedance method/Microscopy.

**PLATELET PARAMETERS**

|                |        |                    |                  |
|----------------|--------|--------------------|------------------|
| Platelet Count | 268000 | 150000-400000 /cmm | Elect. Impedance |
| MPV            | 9.8    | 6-11 fl            | Calculated       |
| PDW            | 18.7   | 11-18 %            | Calculated       |

**RBC MORPHOLOGY**

|              |   |
|--------------|---|
| Hypochromia  | - |
| Microcytosis | - |



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Collected : 30-Dec-2021 / 09:04  
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Macrocytosis -  
Anisocytosis -  
Poikilocytosis -  
Polychromasia -  
Target Cells -  
Basophilic Stippling -  
Normoblasts -  
Others Normocytic, Normochromic  
WBC MORPHOLOGY -  
PLATELET MORPHOLOGY -  
COMMENT -

Specimen: EDTA Whole Blood

ESR, EDTA WB-ESR 4 2-20 mm at 1 hr. Westergren

\*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD Borivali Lab, Borivali West

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**AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE**

| <u>PARAMETER</u>                         | <u>RESULTS</u> | <u>BIOLOGICAL REF RANGE</u>   | <u>METHOD</u>    |
|--|----------------|---|------------------|
| GLUCOSE (SUGAR) FASTING, Fluoride Plasma | 95.0           | Non-Diabetic: < 100 mg/dl<br>Impaired Fasting Glucose: 100-125 mg/dl<br>Diabetic: >/= 126 mg/dl   | Hexokinase       |
| GLUCOSE (SUGAR) PP, Fluoride Plasma PP/R | 102.6          | Non-Diabetic: < 140 mg/dl<br>Impaired Glucose Tolerance: 140-199 mg/dl<br>Diabetic: >/= 200 mg/dl | Hexokinase       |
| BILIRUBIN (TOTAL), Serum                 | 0.43           | 0.1-1.2 mg/dl   | Colorimetric     |
| BILIRUBIN (DIRECT), Serum                | 0.23           | 0-0.3 mg/dl   | Diazo            |
| BILIRUBIN (INDIRECT), Serum              | 0.20           | 0.1-1.0 mg/dl   | Calculated       |
| TOTAL PROTEINS, Serum                    | 6.3            | 6.4-8.3 g/dL  | Biuret           |
| ALBUMIN, Serum                           | 4.5            | 3.5-5.2 g/dL  | BCG              |
| GLOBULIN, Serum                          | 1.8            | 2.3-3.5 g/dL  | Calculated       |
| A/G RATIO, Serum                         | 2.5            | 1 - 2   | Calculated       |
| SGOT (AST), Serum                        | 13.1           | 5-32 U/L  | NADH (w/o P-5-P) |
| SGPT (ALT), Serum                        | 15.1           | 5-33 U/L  | NADH (w/o P-5-P) |
| GAMMA GT, Serum                          | 12.4           | 3-40 U/L  | Enzymatic        |
| ALKALINE PHOSPHATASE, Serum              | 51.7           | 35-105 U/L  | Colorimetric     |
| BLOOD UREA, Serum                        | 14.2           | 12.8-42.8 mg/dl   | Kinetic          |
| BUN, Serum                               | 6.6            | 6-20 mg/dl  | Calculated       |
| CREATININE, Serum                        | 0.66           | 0.51-0.95 mg/dl   | Enzymatic        |
| eGFR, Serum                              | 110            | >60 ml/min/1.73sqm  | Calculated       |
| URIC ACID, Serum                         | 4.8            | 2.4-5.7 mg/dl   | Enzymatic        |



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Collected : 30-Dec-2021 / 15:55  
Reported : 30-Dec-2021 / 18:59

|                         |        |        |
|-------------------------|--------|--------|
| Urine Sugar (Fasting)   | Absent | Absent |
| Urine Ketones (Fasting) | Absent | Absent |
| Urine Sugar (PP)        | Absent | Absent |
| Urine Ketones (PP)      | Absent | Absent |

\*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD Borivali Lab, Borivali West  
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MC-2111

**Dr. ANUPA DIXIT**  
**M.D.(PATH)**  
**Consultant Pathologist & Lab**  
**Director**

**ADDRESS:** 2<sup>nd</sup> Floor, Aston, Sundervan Complex, Above Mercedes Showroom, Andheri West - 400053

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Reported : 30-Dec-2021 / 14:10

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**AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE**  
**GLYCOSYLATED HEMOGLOBIN (HbA1c)**

| PARAMETER                                     | RESULTS | BIOLOGICAL REF RANGE  | METHOD     |
|---|---------|---|------------|
| Glycosylated Hemoglobin (HbA1c), EDTA WB - CC | 5.0     | Non-Diabetic Level: < 5.7 %<br>Prediabetic Level: 5.7-6.4 %<br>Diabetic Level: >= 6.5 % | HPLC       |
| Estimated Average Glucose (eAG), EDTA WB - CC | 96.8    | mg/dl   | Calculated |

**Intended use:**

- In patients who are meeting treatment goals, HbA1c test should be performed at least 2 times a year
- In patients whose therapy has changed or who are not meeting glycemic goals, it should be performed quarterly
- For microvascular disease prevention, the HbA1C goal for non pregnant adults in general is Less than 7%.

**Clinical Significance:**

- HbA1c, Glycosylated hemoglobin or glycated hemoglobin, is hemoglobin with glucose molecule attached to it.
- The HbA1c test evaluates the average amount of glucose in the blood over the last 2 to 3 months by measuring the percentage of glycosylated hemoglobin in the blood.

**Test Interpretation:**

- The HbA1c test evaluates the average amount of glucose in the blood over the last 2 to 3 months by measuring the percentage of Glycosylated hemoglobin in the blood.
- HbA1c test may be used to screen for and diagnose diabetes or risk of developing diabetes.
- To monitor compliance and long term blood glucose level control in patients with diabetes.
- Index of diabetic control, predicting development and progression of diabetic micro vascular complications.

**Factors affecting HbA1c results:**

**Increased in:** High fetal hemoglobin, Chronic renal failure, Iron deficiency anemia, Splenectomy, Increased serum triglycerides, Alcohol ingestion, Lead/opiate poisoning and Salicylate treatment.

**Decreased in:** Shortened RBC lifespan (Hemolytic anemia, blood loss), following transfusions, pregnancy, ingestion of large amount of Vitamin E or Vitamin C and Hemoglobinopathies

**Reflex tests:** Blood glucose levels, CGM (Continuous Glucose monitoring)

**References:** ADA recommendations, AACC, Wallach's interpretation of diagnostic tests 10th edition.

\*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD CPL, Andheri West

\*\*\* End Of Report \*\*\*



MC-2111



*J. Thakker*

**Dr. JYOT THAKKER**  
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Pathologist & AVP( Medical Services)



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Age / Gender : 31 Years / Female  
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**AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE**  
**URINE EXAMINATION REPORT**

| <u>PARAMETER</u>                      | <u>RESULTS</u> | <u>BIOLOGICAL REF RANGE</u> | <u>METHOD</u>      |
|---------------------------------------|----------------|-----------------------------|--------------------|
| <b><u>PHYSICAL EXAMINATION</u></b>    |                |                             |                    |
| Color                                 | Pale yellow    | Pale Yellow                 | -                  |
| Reaction (pH)                         | 8.0            | 4.5 - 8.0                   | Chemical Indicator |
| Specific Gravity                      | 1.010          | 1.001-1.030                 | Chemical Indicator |
| Transparency                          | Clear          | Clear                       | -                  |
| Volume (ml)                           | 40             | -                           | -                  |
| <b><u>CHEMICAL EXAMINATION</u></b>    |                |                             |                    |
| Proteins                              | Absent         | Absent                      | pH Indicator       |
| Glucose                               | Absent         | Absent                      | GOD-POD            |
| Ketones                               | Absent         | Absent                      | Legals Test        |
| Blood                                 | Absent         | Absent                      | Peroxidase         |
| Bilirubin                             | Absent         | Absent                      | Diazonium Salt     |
| Urobilinogen                          | Normal         | Normal                      | Diazonium Salt     |
| Nitrite                               | Absent         | Absent                      | Griess Test        |
| <b><u>MICROSCOPIC EXAMINATION</u></b> |                |                             |                    |
| Leukocytes(Pus cells)/hpf             | 5-6            | 0-5/hpf                     |                    |
| Red Blood Cells / hpf                 | Absent         | 0-2/hpf                     |                    |
| Epithelial Cells / hpf                | 1-2            |                             |                    |
| Casts                                 | Absent         | Absent                      |                    |
| Crystals                              | Absent         | Absent                      |                    |
| Amorphous debris                      | Absent         | Absent                      |                    |
| Bacteria / hpf                        | +(>20/hpf)     | Less than 20/hpf            |                    |
| Others                                | -              |                             |                    |

\*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD Borivali Lab, Borivali West  
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*Bmhaskar*

**Dr.KETAKI MHASKAR**  
**M.D. (PATH)**  
**Pathologist**

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Age / Gender : 31 Years / Female  
Consulting Dr. : -  
Reg. Location : Vasai (Main Centre)

Collected : 30-Dec-2021 / 09:04  
Reported : 30-Dec-2021 / 15:58

**AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE**  
**BLOOD GROUPING & Rh TYPING**

| <u>PARAMETER</u> | <u>RESULTS</u> |
|------------------|----------------|
| ABO GROUP        | B              |
| Rh TYPING        | NEGATIVE       |

NOTE: Test performed by automated column agglutination technology (CAT) which is more sensitive than conventional methods.

Specimen: EDTA Whole Blood and/or serum

**Clinical significance:**

ABO system is most important of all blood group in transfusion medicine

**Limitations:**

- ABO blood group of new born is performed only by cell (forward) grouping because allo antibodies in cord blood are of maternal origin.
- Since A & B antigens are not fully developed at birth, both Anti-A & Anti-B antibodies appear after the first 4 to 6 months of life. As a result, weaker reactions may occur with red cells of newborns than of adults.
- Confirmation of newborn's blood group is indicated when A & B antigen expression and the isoagglutinins are fully developed at 2 to 4 years of age & remains constant throughout life.
- Cord blood is contaminated with Wharton's jelly that causes red cell aggregation leading to false positive result
- The Hh blood group also known as Oh or Bombay blood group is rare blood group type. The term Bombay is used to refer the phenotype that lacks normal expression of ABH antigens because of inheritance of hh genotype.

**References:**

1. Denise M Harmening, Modern Blood Banking and Transfusion Practices- 6th Edition 2012. F.A. Davis company. Philadelphia
2. AABB technical manual

\*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD CPL, Andheri West

\*\*\* End Of Report \*\*\*



*J. Thakker*  
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M.D. (PATH), DPB  
Pathologist & AVP( Medical  
Services)



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HEALTHLINE - MUMBAI: 022-6170-0000 | OTHER CITIES: 1800-266-4343

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CID : 2136425958  
Name : MRS.RAINA KHARE  
Age / Gender : 31 Years / Female  
Consulting Dr. : -  
Reg. Location : Vasai (Main Centre)

Collected : 30-Dec-2021 / 09:04  
Reported : 30-Dec-2021 / 12:31

**AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE**  
**LIPID PROFILE**

| PARAMETER                        | RESULTS | BIOLOGICAL REF RANGE  | METHOD     |
|----------------------------------|---------|---|------------|
| CHOLESTEROL, Serum               | 119.5   | Desirable: <200 mg/dl<br>Borderline High: 200-239mg/dl<br>High: >/=240 mg/dl  | Enzymatic  |
| TRIGLYCERIDES, Serum             | 59.6    | Normal: <150 mg/dl<br>Borderline-high: 150 - 199 mg/dl<br>High: 200 - 499 mg/dl<br>Very high:>/=500 mg/dl                                     | Enzymatic  |
| HDL CHOLESTEROL, Serum           | 36.3    | Desirable: >60 mg/dl<br>Borderline: 40 - 60 mg/dl<br>Low (High risk): <40 mg/dl   | Enzymatic  |
| NON HDL CHOLESTEROL, Serum       | 83.2    | Desirable: <130 mg/dl<br>Borderline-high:130 - 159 mg/dl<br>High:160 - 189 mg/dl<br>Very high: >/=190 mg/dl                                   | Calculated |
| LDL CHOLESTEROL, Serum           | 71.0    | Optimal: <100 mg/dl<br>Near Optimal: 100 - 129 mg/dl<br>Borderline High: 130 - 159 mg/dl<br>High: 160 - 189 mg/dl<br>Very High: >/= 190 mg/dl | Calculated |
| VLDL CHOLESTEROL, Serum          | 12.2    | < /= 30 mg/dl   | Calculated |
| CHOL / HDL CHOL RATIO, Serum     | 3.3     | 0-4.5 Ratio   | Calculated |
| LDL CHOL / HDL CHOL RATIO, Serum | 2.0     | 0-3.5 Ratio   | Calculated |

\*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD Borivali Lab, Borivali West  
\*\*\* End Of Report \*\*\*



MC-2111

*Bmhaskar*

Dr.KETAKI MHASKAR  
M.D. (PATH)  
Pathologist

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Age / Gender : 31 Years / Female  
Consulting Dr. : -  
Reg. Location : Vasai (Main Centre)

Collected : 30-Dec-2021 / 09:04  
Reported : 30-Dec-2021 / 13:24

**AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE**  
**THYROID FUNCTION TESTS**

| <u>PARAMETER</u>    | <u>RESULTS</u> | <u>BIOLOGICAL REF RANGE</u>   | <u>METHOD</u> |
|---------------------|----------------|---|---------------|
| Free T3, Serum      | 5.5            | 3.5-6.5 pmol/L  | ECLIA         |
| Free T4, Serum      | 17.2           | 11.5-22.7 pmol/L<br>First Trimester:9.0-24.7<br>Second Trimester:6.4-20.59<br>Third Trimester:6.4-20.59 | ECLIA         |
| sensitiveTSH, Serum | 2.35           | 0.35-5.5 microIU/ml<br>First Trimester:0.1-2.5<br>Second Trimester:0.2-3.0<br>Third Trimester:0.3-3.0   | ECLIA         |





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**Interpretation:**

A thyroid panel is used to evaluate thyroid function and/or help diagnose various thyroid disorders.

**Clinical Significance:**

- 1)TSH Values between 5.5 to 15 microIU/ml should be correlated clinically or repeat the test with new sample as physiological factors can give falsely high TSH.
- 2)TSH values may be transiently altered because of non thyroidal illness like severe infections,liver disease, renal and heart severe burns, trauma and surgery etc.

| TSH  | FT4 / T4 | FT3 / T3 | Interpretation  |
|------|----------|----------|---|
| High | Normal   | Normal   | Subclinical hypothyroidism, poor compliance with thyroxine, drugs like amiodarone, Recovery phase of non-thyroidal illness, TSH Resistance.   |
| High | Low      | Low      | Hypothyroidism, Autoimmune thyroiditis, post radio iodine Rx, post thyroidectomy, Anti thyroid drugs, tyrosine kinase inhibitors & amiodarone, amyloid deposits in thyroid, thyroid tumors & congenital hypothyroidism. |
| Low  | High     | High     | Hyperthyroidism, Graves disease, toxic multinodular goiter, toxic adenoma, excess iodine or thyroxine intake, pregnancy related (hyperemesis gravidarum, hydatiform mole)   |
| Low  | Normal   | Normal   | Subclinical Hyperthyroidism, recent Rx for Hyperthyroidism, drugs like steroids & dopamine), Non thyroidal illness.   |
| Low  | Low      | Low      | Central Hypothyroidism, Non Thyroidal Illness, Recent Rx for Hyperthyroidism.   |
| High | High     | High     | Interfering anti TPO antibodies, Drug interference: Amiodarone, Heparin, Beta Blockers, steroids & anti epileptics.   |

**Diurnal Variation:**TSH follows a diurnal rhythm and is at maximum between 2 am and 4 am , and is at a minimum between 6 pm and 10 pm. The variation is on the order of 50 to 206%. Biological variation:19.7%(with in subject variation)

**Reflex Tests:**Anti thyroid Antibodies,USG Thyroid ,TSH receptor Antibody. Thyroglobulin, Calcitonin

**Limitations:**Samples should not be taken from patients receiving therapy with high biotin doses (i.e. >5 mg/day) until atleast 8 hours following the last biotin administration.

**Reference:**

- 1.O.koulouri et al. / Best Practice and Research clinical Endocrinology and Metabolism 27(2013)
- 2.Interpretation of the thyroid function tests, Dayan et al. THE LANCET . Vol 357
- 3.Tietz ,Text Book of Clinical Chemistry and Molecular Biology -5th Edition
- 4.Biological Variation:From principles to Practice-Callum G Fraser (AACC Press)

\*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD Borivali Lab, Borivali West

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MC-2111

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Director

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Reg. Location : Vasai (Main Centre)

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**AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE**

**CBC (Complete Blood Count), Blood**

| <u>PARAMETER</u>                                   | <u>RESULTS</u> | <u>BIOLOGICAL REF RANGE</u> | <u>METHOD</u>      |
|--|----------------|-----------------------------|--------------------|
| <b><u>RBC PARAMETERS</u></b>                       |                |                             |                    |
| Haemoglobin  | 13.2           | 12.0-15.0 g/dL              | Spectrophotometric |
| RBC  | 4.76           | 3.8-4.8 mil/cmm             | Elect. Impedance   |
| PCV  | 40.9           | 36-46 %                     | Measured           |
| MCV  | 86             | 80-100 fl                   | Calculated         |
| MCH  | 27.6           | 27-32 pg                    | Calculated         |
| MCHC   | 32.2           | 31.5-34.5 g/dL              | Calculated         |
| RDW  | 14.8           | 11.6-14.0 %                 | Calculated         |
| <b><u>WBC PARAMETERS</u></b>                       |                |                             |                    |
| WBC Total Count                                    | 6940           | 4000-10000 /cmm             | Elect. Impedance   |
| <b><u>WBC DIFFERENTIAL AND ABSOLUTE COUNTS</u></b> |                |                             |                    |
| Lymphocytes  | 29.8           | 20-40 %                     |                    |
| Absolute Lymphocytes                               | 2068.1         | 1000-3000 /cmm              | Calculated         |
| Monocytes  | 8.4            | 2-10 %                      |                    |
| Absolute Monocytes                                 | 583.0          | 200-1000 /cmm               | Calculated         |
| Neutrophils  | 57.5           | 40-80 %                     |                    |
| Absolute Neutrophils                               | 3990.5         | 2000-7000 /cmm              | Calculated         |
| Eosinophils  | 3.6            | 1-6 %                       |                    |
| Absolute Eosinophils                               | 249.8          | 20-500 /cmm                 | Calculated         |
| Basophils  | 0.7            | 0.1-2 %                     |                    |
| Absolute Basophils                                 | 48.6           | 20-100 /cmm                 | Calculated         |
| Immature Leukocytes                                | -              |                             |                    |

WBC Differential Count by Absorbance & Impedance method/Microscopy.

**PLATELET PARAMETERS**

|                |        |                    |                  |
|----------------|--------|--------------------|------------------|
| Platelet Count | 268000 | 150000-400000 /cmm | Elect. Impedance |
| MPV            | 9.8    | 6-11 fl            | Calculated       |
| PDW            | 18.7   | 11-18 %            | Calculated       |

**RBC MORPHOLOGY**

|              |   |
|--------------|---|
| Hypochromia  | - |
| Microcytosis | - |



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Macrocytosis -  
Anisocytosis -  
Poikilocytosis -  
Polychromasia -  
Target Cells -  
Basophilic Stippling -  
Normoblasts -  
Others Normocytic, Normochromic  
WBC MORPHOLOGY -  
PLATELET MORPHOLOGY -  
COMMENT -

Specimen: EDTA Whole Blood

ESR, EDTA WB-ESR 4 2-20 mm at 1 hr. Westergren

\*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD Borivali Lab, Borivali West  
\*\*\* End Of Report \*\*\*



MC-2111

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Reported : 30-Dec-2021 / 16:30

**AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE**

| PARAMETER                                | RESULTS | BIOLOGICAL REF RANGE  | METHOD           |
|--|---------|---|------------------|
| GLUCOSE (SUGAR) FASTING, Fluoride Plasma | 95.0    | Non-Diabetic: < 100 mg/dl<br>Impaired Fasting Glucose: 100-125 mg/dl<br>Diabetic: >/= 126 mg/dl | Hexokinase       |
| BILIRUBIN (TOTAL), Serum                 | 0.43    | 0.1-1.2 mg/dl   | Colorimetric     |
| BILIRUBIN (DIRECT), Serum                | 0.23    | 0-0.3 mg/dl   | Diazo            |
| BILIRUBIN (INDIRECT), Serum              | 0.20    | 0.1-1.0 mg/dl   | Calculated       |
| TOTAL PROTEINS, Serum                    | 6.3     | 6.4-8.3 g/dL  | Biuret           |
| ALBUMIN, Serum                           | 4.5     | 3.5-5.2 g/dL  | BCG              |
| GLOBULIN, Serum                          | 1.8     | 2.3-3.5 g/dL  | Calculated       |
| A/G RATIO, Serum                         | 2.5     | 1 - 2   | Calculated       |
| SGOT (AST), Serum                        | 13.1    | 5-32 U/L  | NADH (w/o P-5-P) |
| SGPT (ALT), Serum                        | 15.1    | 5-33 U/L  | NADH (w/o P-5-P) |
| GAMMA GT, Serum                          | 12.4    | 3-40 U/L  | Enzymatic        |
| ALKALINE PHOSPHATASE, Serum              | 51.7    | 35-105 U/L  | Colorimetric     |
| BLOOD UREA, Serum                        | 14.2    | 12.8-42.8 mg/dl   | Kinetic          |
| BUN, Serum                               | 6.6     | 6-20 mg/dl  | Calculated       |
| CREATININE, Serum                        | 0.66    | 0.51-0.95 mg/dl   | Enzymatic        |
| eGFR, Serum                              | 110     | >60 ml/min/1.73sqm  | Calculated       |
| URIC ACID, Serum                         | 4.8     | 2.4-5.7 mg/dl   | Enzymatic        |
| Urine Sugar (Fasting)                    | Absent  | Absent  |                  |
| Urine Ketones (Fasting)                  | Absent  | Absent  |                  |

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\*\*\* End Of Report \*\*\*



MC-2111

*Anupa*

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Name : MRS.RAINA KHARE  
Age / Gender : 31 Years / Female  
Consulting Dr. : -  
Reg. Location : Vasai (Main Centre)

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**AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE**  
**GLYCOSYLATED HEMOGLOBIN (HbA1c)**

| PARAMETER                                     | RESULTS | BIOLOGICAL REF RANGE  | METHOD     |
|---|---------|---|------------|
| Glycosylated Hemoglobin (HbA1c), EDTA WB - CC | 5.0     | Non-Diabetic Level: < 5.7 %<br>Prediabetic Level: 5.7-6.4 %<br>Diabetic Level: >= 6.5 % | HPLC       |
| Estimated Average Glucose (eAG), EDTA WB - CC | 96.8    | mg/dl   | Calculated |

**Intended use:**

- In patients who are meeting treatment goals, HbA1c test should be performed at least 2 times a year
- In patients whose therapy has changed or who are not meeting glycemic goals, it should be performed quarterly
- For microvascular disease prevention, the HbA1C goal for non pregnant adults in general is Less than 7%.

**Clinical Significance:**

- HbA1c, Glycosylated hemoglobin or glycated hemoglobin, is hemoglobin with glucose molecule attached to it.
- The HbA1c test evaluates the average amount of glucose in the blood over the last 2 to 3 months by measuring the percentage of glycosylated hemoglobin in the blood.

**Test Interpretation:**

- The HbA1c test evaluates the average amount of glucose in the blood over the last 2 to 3 months by measuring the percentage of Glycosylated hemoglobin in the blood.
- HbA1c test may be used to screen for and diagnose diabetes or risk of developing diabetes.
- To monitor compliance and long term blood glucose level control in patients with diabetes.
- Index of diabetic control, predicting development and progression of diabetic micro vascular complications.

**Factors affecting HbA1c results:**

**Increased in:** High fetal hemoglobin, Chronic renal failure, Iron deficiency anemia, Splenectomy, Increased serum triglycerides, Alcohol ingestion, Lead/opiate poisoning and Salicylate treatment.

**Decreased in:** Shortened RBC lifespan (Hemolytic anemia, blood loss), following transfusions, pregnancy, ingestion of large amount of Vitamin E or Vitamin C and Hemoglobinopathies

**Reflex tests:** Blood glucose levels, CGM (Continuous Glucose monitoring)

**References:** ADA recommendations, AACC, Wallach's interpretation of diagnostic tests 10th edition.

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MC-2111



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**AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE**  
**URINE EXAMINATION REPORT**

| <u>PARAMETER</u>                      | <u>RESULTS</u> | <u>BIOLOGICAL REF RANGE</u> | <u>METHOD</u>      |
|---------------------------------------|----------------|-----------------------------|--------------------|
| <b><u>PHYSICAL EXAMINATION</u></b>    |                |                             |                    |
| Color                                 | Pale yellow    | Pale Yellow                 | -                  |
| Reaction (pH)                         | 8.0            | 4.5 - 8.0                   | Chemical Indicator |
| Specific Gravity                      | 1.010          | 1.001-1.030                 | Chemical Indicator |
| Transparency                          | Clear          | Clear                       | -                  |
| Volume (ml)                           | 40             | -                           | -                  |
| <b><u>CHEMICAL EXAMINATION</u></b>    |                |                             |                    |
| Proteins                              | Absent         | Absent                      | pH Indicator       |
| Glucose                               | Absent         | Absent                      | GOD-POD            |
| Ketones                               | Absent         | Absent                      | Legals Test        |
| Blood                                 | Absent         | Absent                      | Peroxidase         |
| Bilirubin                             | Absent         | Absent                      | Diazonium Salt     |
| Urobilinogen                          | Normal         | Normal                      | Diazonium Salt     |
| Nitrite                               | Absent         | Absent                      | Griess Test        |
| <b><u>MICROSCOPIC EXAMINATION</u></b> |                |                             |                    |
| Leukocytes(Pus cells)/hpf             | 5-6            | 0-5/hpf                     |                    |
| Red Blood Cells / hpf                 | Absent         | 0-2/hpf                     |                    |
| Epithelial Cells / hpf                | 1-2            |                             |                    |
| Casts                                 | Absent         | Absent                      |                    |
| Crystals                              | Absent         | Absent                      |                    |
| Amorphous debris                      | Absent         | Absent                      |                    |
| Bacteria / hpf                        | +(>20/hpf)     | Less than 20/hpf            |                    |
| Others                                | -              |                             |                    |

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**AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE**  
**BLOOD GROUPING & Rh TYPING**

| <u>PARAMETER</u> | <u>RESULTS</u> |
|------------------|----------------|
| ABO GROUP        | B              |
| Rh TYPING        | NEGATIVE       |

NOTE: Test performed by automated column agglutination technology (CAT) which is more sensitive than conventional methods.

Specimen: EDTA Whole Blood and/or serum

**Clinical significance:**

ABO system is most important of all blood group in transfusion medicine

**Limitations:**

- ABO blood group of new born is performed only by cell (forward) grouping because allo antibodies in cord blood are of maternal origin.
- Since A & B antigens are not fully developed at birth, both Anti-A & Anti-B antibodies appear after the first 4 to 6 months of life. As a result, weaker reactions may occur with red cells of newborns than of adults.
- Confirmation of newborn's blood group is indicated when A & B antigen expression and the isoagglutinins are fully developed at 2 to 4 years of age & remains constant throughout life.
- Cord blood is contaminated with Wharton's jelly that causes red cell aggregation leading to false positive result
- The Hh blood group also known as Oh or Bombay blood group is rare blood group type. The term Bombay is used to refer the phenotype that lacks normal expression of ABH antigens because of inheritance of hh genotype.

**References:**

1. Denise M Harmening, Modern Blood Banking and Transfusion Practices- 6th Edition 2012. F.A. Davis company. Philadelphia
2. AABB technical manual

\*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD CPL, Andheri West

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**AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE**  
**LIPID PROFILE**

| PARAMETER                        | RESULTS | BIOLOGICAL REF RANGE  | METHOD     |
|----------------------------------|---------|---|------------|
| CHOLESTEROL, Serum               | 119.5   | Desirable: <200 mg/dl<br>Borderline High: 200-239mg/dl<br>High: >/=240 mg/dl  | Enzymatic  |
| TRIGLYCERIDES, Serum             | 59.6    | Normal: <150 mg/dl<br>Borderline-high: 150 - 199 mg/dl<br>High: 200 - 499 mg/dl<br>Very high:>/=500 mg/dl                                     | Enzymatic  |
| HDL CHOLESTEROL, Serum           | 36.3    | Desirable: >60 mg/dl<br>Borderline: 40 - 60 mg/dl<br>Low (High risk): <40 mg/dl   | Enzymatic  |
| NON HDL CHOLESTEROL, Serum       | 83.2    | Desirable: <130 mg/dl<br>Borderline-high:130 - 159 mg/dl<br>High:160 - 189 mg/dl<br>Very high: >/=190 mg/dl                                   | Calculated |
| LDL CHOLESTEROL, Serum           | 71.0    | Optimal: <100 mg/dl<br>Near Optimal: 100 - 129 mg/dl<br>Borderline High: 130 - 159 mg/dl<br>High: 160 - 189 mg/dl<br>Very High: >/= 190 mg/dl | Calculated |
| VLDL CHOLESTEROL, Serum          | 12.2    | < /= 30 mg/dl   | Calculated |
| CHOL / HDL CHOL RATIO, Serum     | 3.3     | 0-4.5 Ratio   | Calculated |
| LDL CHOL / HDL CHOL RATIO, Serum | 2.0     | 0-3.5 Ratio   | Calculated |

\*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD Borivali Lab, Borivali West  
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Reported : 30-Dec-2021 / 13:24

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**AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE**  
**THYROID FUNCTION TESTS**

| <u>PARAMETER</u>    | <u>RESULTS</u> | <u>BIOLOGICAL REF RANGE</u>   | <u>METHOD</u> |
|---------------------|----------------|---|---------------|
| Free T3, Serum      | 5.5            | 3.5-6.5 pmol/L  | ECLIA         |
| Free T4, Serum      | 17.2           | 11.5-22.7 pmol/L<br>First Trimester:9.0-24.7<br>Second Trimester:6.4-20.59<br>Third Trimester:6.4-20.59 | ECLIA         |
| sensitiveTSH, Serum | 2.35           | 0.35-5.5 microIU/ml<br>First Trimester:0.1-2.5<br>Second Trimester:0.2-3.0<br>Third Trimester:0.3-3.0   | ECLIA         |



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Reg. Location : Vasai (Main Centre)

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Reported : 30-Dec-2021 / 13:24

**Interpretation:**

A thyroid panel is used to evaluate thyroid function and/or help diagnose various thyroid disorders.

**Clinical Significance:**

- 1)TSH Values between 5.5 to 15 microIU/ml should be correlated clinically or repeat the test with new sample as physiological factors can give falsely high TSH.
- 2)TSH values may be transiently altered because of non thyroidal illness like severe infections,liver disease, renal and heart severe burns, trauma and surgery etc.

| TSH  | FT4 / T4 | FT3 / T3 | Interpretation  |
|------|----------|----------|---|
| High | Normal   | Normal   | Subclinical hypothyroidism, poor compliance with thyroxine, drugs like amiodarone, Recovery phase of non-thyroidal illness, TSH Resistance.   |
| High | Low      | Low      | Hypothyroidism, Autoimmune thyroiditis, post radio iodine Rx, post thyroidectomy, Anti thyroid drugs, tyrosine kinase inhibitors & amiodarone, amyloid deposits in thyroid, thyroid tumors & congenital hypothyroidism. |
| Low  | High     | High     | Hyperthyroidism, Graves disease, toxic multinodular goiter, toxic adenoma, excess iodine or thyroxine intake, pregnancy related (hyperemesis gravidarum, hydatiform mole)   |
| Low  | Normal   | Normal   | Subclinical Hyperthyroidism, recent Rx for Hyperthyroidism, drugs like steroids & dopamine), Non thyroidal illness.   |
| Low  | Low      | Low      | Central Hypothyroidism, Non Thyroidal Illness, Recent Rx for Hyperthyroidism.   |
| High | High     | High     | Interfering anti TPO antibodies, Drug interference: Amiodarone, Heparin, Beta Blockers, steroids & anti epileptics.   |

**Diurnal Variation:**TSH follows a diurnal rhythm and is at maximum between 2 am and 4 am , and is at a minimum between 6 pm and 10 pm. The variation is on the order of 50 to 206%. Biological variation:19.7%(with in subject variation)

**Reflex Tests:**Anti thyroid Antibodies,USG Thyroid ,TSH receptor Antibody. Thyroglobulin, Calcitonin

**Limitations:**Samples should not be taken from patients receiving therapy with high biotin doses (i.e. >5 mg/day) until atleast 8 hours following the last biotin administration.

**Reference:**

- 1.O.koulouri et al. / Best Practice and Research clinical Endocrinology and Metabolism 27(2013)
- 2.Interpretation of the thyroid function tests, Dayan et al. THE LANCET . Vol 357
- 3.Tietz ,Text Book of Clinical Chemistry and Molecular Biology -5th Edition
- 4.Biological Variation:From principles to Practice-Callum G Fraser (AACC Press)

\*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD Borivali Lab, Borivali West

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CID : 2136425958  
Name : MRS.RAINA KHARE  
Age / Gender : 31 Years / Female  
Consulting Dr. : -  
Reg. Location : Vasai (Main Centre)

Collected : 30-Dec-2021 / 09:04  
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**AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE**

**CBC (Complete Blood Count), Blood**

| <u>PARAMETER</u>                                   | <u>RESULTS</u> | <u>BIOLOGICAL REF RANGE</u> | <u>METHOD</u>      |
|--|----------------|-----------------------------|--------------------|
| <b><u>RBC PARAMETERS</u></b>                       |                |                             |                    |
| Haemoglobin  | 13.2           | 12.0-15.0 g/dL              | Spectrophotometric |
| RBC  | 4.76           | 3.8-4.8 mil/cmm             | Elect. Impedance   |
| PCV  | 40.9           | 36-46 %                     | Measured           |
| MCV  | 86             | 80-100 fl                   | Calculated         |
| MCH  | 27.6           | 27-32 pg                    | Calculated         |
| MCHC   | 32.2           | 31.5-34.5 g/dL              | Calculated         |
| RDW  | 14.8           | 11.6-14.0 %                 | Calculated         |
| <b><u>WBC PARAMETERS</u></b>                       |                |                             |                    |
| WBC Total Count                                    | 6940           | 4000-10000 /cmm             | Elect. Impedance   |
| <b><u>WBC DIFFERENTIAL AND ABSOLUTE COUNTS</u></b> |                |                             |                    |
| Lymphocytes  | 29.8           | 20-40 %                     |                    |
| Absolute Lymphocytes                               | 2068.1         | 1000-3000 /cmm              | Calculated         |
| Monocytes  | 8.4            | 2-10 %                      |                    |
| Absolute Monocytes                                 | 583.0          | 200-1000 /cmm               | Calculated         |
| Neutrophils  | 57.5           | 40-80 %                     |                    |
| Absolute Neutrophils                               | 3990.5         | 2000-7000 /cmm              | Calculated         |
| Eosinophils  | 3.6            | 1-6 %                       |                    |
| Absolute Eosinophils                               | 249.8          | 20-500 /cmm                 | Calculated         |
| Basophils  | 0.7            | 0.1-2 %                     |                    |
| Absolute Basophils                                 | 48.6           | 20-100 /cmm                 | Calculated         |
| Immature Leukocytes                                | -              |                             |                    |

WBC Differential Count by Absorbance & Impedance method/Microscopy.

**PLATELET PARAMETERS**

|                |        |                    |                  |
|----------------|--------|--------------------|------------------|
| Platelet Count | 268000 | 150000-400000 /cmm | Elect. Impedance |
| MPV            | 9.8    | 6-11 fl            | Calculated       |
| PDW            | 18.7   | 11-18 %            | Calculated       |

**RBC MORPHOLOGY**

|              |   |
|--------------|---|
| Hypochromia  | - |
| Microcytosis | - |



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Macrocytosis -  
Anisocytosis -  
Poikilocytosis -  
Polychromasia -  
Target Cells -  
Basophilic Stippling -  
Normoblasts -  
Others Normocytic, Normochromic  
WBC MORPHOLOGY -  
PLATELET MORPHOLOGY -  
COMMENT -

Specimen: EDTA Whole Blood

ESR, EDTA WB-ESR 4 2-20 mm at 1 hr. Westergren

\*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD Borivali Lab, Borivali West

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Collected : 30-Dec-2021 / 09:04  
Reported : 30-Dec-2021 / 12:24

**AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE**

| <u>PARAMETER</u>                         | <u>RESULTS</u> | <u>BIOLOGICAL REF RANGE</u>   | <u>METHOD</u>    |
|--|----------------|---|------------------|
| GLUCOSE (SUGAR) FASTING, Fluoride Plasma | 95.0           | Non-Diabetic: < 100 mg/dl<br>Impaired Fasting Glucose: 100-125 mg/dl<br>Diabetic: >/= 126 mg/dl   | Hexokinase       |
| GLUCOSE (SUGAR) PP, Fluoride Plasma PP/R | 102.6          | Non-Diabetic: < 140 mg/dl<br>Impaired Glucose Tolerance: 140-199 mg/dl<br>Diabetic: >/= 200 mg/dl | Hexokinase       |
| BILIRUBIN (TOTAL), Serum                 | 0.43           | 0.1-1.2 mg/dl   | Colorimetric     |
| BILIRUBIN (DIRECT), Serum                | 0.23           | 0-0.3 mg/dl   | Diazo            |
| BILIRUBIN (INDIRECT), Serum              | 0.20           | 0.1-1.0 mg/dl   | Calculated       |
| TOTAL PROTEINS, Serum                    | 6.3            | 6.4-8.3 g/dL  | Biuret           |
| ALBUMIN, Serum                           | 4.5            | 3.5-5.2 g/dL  | BCG              |
| GLOBULIN, Serum                          | 1.8            | 2.3-3.5 g/dL  | Calculated       |
| A/G RATIO, Serum                         | 2.5            | 1 - 2   | Calculated       |
| SGOT (AST), Serum                        | 13.1           | 5-32 U/L  | NADH (w/o P-5-P) |
| SGPT (ALT), Serum                        | 15.1           | 5-33 U/L  | NADH (w/o P-5-P) |
| GAMMA GT, Serum                          | 12.4           | 3-40 U/L  | Enzymatic        |
| ALKALINE PHOSPHATASE, Serum              | 51.7           | 35-105 U/L  | Colorimetric     |
| BLOOD UREA, Serum                        | 14.2           | 12.8-42.8 mg/dl   | Kinetic          |
| BUN, Serum                               | 6.6            | 6-20 mg/dl  | Calculated       |
| CREATININE, Serum                        | 0.66           | 0.51-0.95 mg/dl   | Enzymatic        |
| eGFR, Serum                              | 110            | >60 ml/min/1.73sqm  | Calculated       |
| URIC ACID, Serum                         | 4.8            | 2.4-5.7 mg/dl   | Enzymatic        |



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**Collected** : 30-Dec-2021 / 15:55  
**Reported** : 30-Dec-2021 / 18:59

|                         |        |        |
|-------------------------|--------|--------|
| Urine Sugar (Fasting)   | Absent | Absent |
| Urine Ketones (Fasting) | Absent | Absent |
| Urine Sugar (PP)        | Absent | Absent |
| Urine Ketones (PP)      | Absent | Absent |

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**AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE**  
**GLYCOSYLATED HEMOGLOBIN (HbA1c)**

| PARAMETER                                     | RESULTS | BIOLOGICAL REF RANGE  | METHOD     |
|---|---------|---|------------|
| Glycosylated Hemoglobin (HbA1c), EDTA WB - CC | 5.0     | Non-Diabetic Level: < 5.7 %<br>Prediabetic Level: 5.7-6.4 %<br>Diabetic Level: >= 6.5 % | HPLC       |
| Estimated Average Glucose (eAG), EDTA WB - CC | 96.8    | mg/dl   | Calculated |

**Intended use:**

- In patients who are meeting treatment goals, HbA1c test should be performed at least 2 times a year
- In patients whose therapy has changed or who are not meeting glycemic goals, it should be performed quarterly
- For microvascular disease prevention, the HbA1C goal for non pregnant adults in general is Less than 7%.

**Clinical Significance:**

- HbA1c, Glycosylated hemoglobin or glycated hemoglobin, is hemoglobin with glucose molecule attached to it.
- The HbA1c test evaluates the average amount of glucose in the blood over the last 2 to 3 months by measuring the percentage of glycosylated hemoglobin in the blood.

**Test Interpretation:**

- The HbA1c test evaluates the average amount of glucose in the blood over the last 2 to 3 months by measuring the percentage of Glycosylated hemoglobin in the blood.
- HbA1c test may be used to screen for and diagnose diabetes or risk of developing diabetes.
- To monitor compliance and long term blood glucose level control in patients with diabetes.
- Index of diabetic control, predicting development and progression of diabetic micro vascular complications.

**Factors affecting HbA1c results:**

**Increased in:** High fetal hemoglobin, Chronic renal failure, Iron deficiency anemia, Splenectomy, Increased serum triglycerides, Alcohol ingestion, Lead/opiate poisoning and Salicylate treatment.

**Decreased in:** Shortened RBC lifespan (Hemolytic anemia, blood loss), following transfusions, pregnancy, ingestion of large amount of Vitamin E or Vitamin C and Hemoglobinopathies

**Reflex tests:** Blood glucose levels, CGM (Continuous Glucose monitoring)

**References:** ADA recommendations, AACC, Wallach's interpretation of diagnostic tests 10th edition.

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**AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE  
EXAMINATION OF FAECES**

| <u>PARAMETER</u>                      | <u>RESULTS</u>  | <u>BIOLOGICAL REF RANGE</u> |
|---------------------------------------|-----------------|-----------------------------|
| <b><u>PHYSICAL EXAMINATION</u></b>    |                 |                             |
| Colour                                | Brown           | Brown                       |
| Form and Consistency                  | Semi Solid      | Semi Solid                  |
| Mucus                                 | Absent          | Absent                      |
| Blood                                 | Absent          | Absent                      |
| <b><u>CHEMICAL EXAMINATION</u></b>    |                 |                             |
| Reaction (pH)                         | Acidic (5.0)    | -                           |
| Occult Blood                          | Absent          | Absent                      |
| <b><u>MICROSCOPIC EXAMINATION</u></b> |                 |                             |
| Protozoa                              | Absent          | Absent                      |
| Flagellates                           | Absent          | Absent                      |
| Ciliates                              | Absent          | Absent                      |
| Parasites                             | Absent          | Absent                      |
| Macrophages                           | Absent          | Absent                      |
| Mucus Strands                         | Absent          | Absent                      |
| Fat Globules                          | Absent          | Absent                      |
| RBC/hpf                               | Absent          | Absent                      |
| WBC/hpf                               | Absent          | Absent                      |
| Yeast Cells                           | Absent          | Absent                      |
| Undigested Particles                  | Present +       | -                           |
| Concentration Method (for ova)        | No ova detected | Absent                      |
| Reducing Substances                   | -               | Absent                      |

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M.D. (PATH)  
Pathologist





CID : 2136425958  
Name : MRS.RAINA KHARE  
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Reg. Location : Vasai (Main Centre)

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**AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE**  
**URINE EXAMINATION REPORT**

| <u>PARAMETER</u>                      | <u>RESULTS</u> | <u>BIOLOGICAL REF RANGE</u> | <u>METHOD</u>      |
|---------------------------------------|----------------|-----------------------------|--------------------|
| <b><u>PHYSICAL EXAMINATION</u></b>    |                |                             |                    |
| Color                                 | Pale yellow    | Pale Yellow                 | -                  |
| Reaction (pH)                         | 8.0            | 4.5 - 8.0                   | Chemical Indicator |
| Specific Gravity                      | 1.010          | 1.001-1.030                 | Chemical Indicator |
| Transparency                          | Clear          | Clear                       | -                  |
| Volume (ml)                           | 40             | -                           | -                  |
| <b><u>CHEMICAL EXAMINATION</u></b>    |                |                             |                    |
| Proteins                              | Absent         | Absent                      | pH Indicator       |
| Glucose                               | Absent         | Absent                      | GOD-POD            |
| Ketones                               | Absent         | Absent                      | Legals Test        |
| Blood                                 | Absent         | Absent                      | Peroxidase         |
| Bilirubin                             | Absent         | Absent                      | Diazonium Salt     |
| Urobilinogen                          | Normal         | Normal                      | Diazonium Salt     |
| Nitrite                               | Absent         | Absent                      | Griess Test        |
| <b><u>MICROSCOPIC EXAMINATION</u></b> |                |                             |                    |
| Leukocytes(Pus cells)/hpf             | 5-6            | 0-5/hpf                     |                    |
| Red Blood Cells / hpf                 | Absent         | 0-2/hpf                     |                    |
| Epithelial Cells / hpf                | 1-2            |                             |                    |
| Casts                                 | Absent         | Absent                      |                    |
| Crystals                              | Absent         | Absent                      |                    |
| Amorphous debris                      | Absent         | Absent                      |                    |
| Bacteria / hpf                        | +(>20/hpf)     | Less than 20/hpf            |                    |
| Others                                | -              |                             |                    |

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**AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE**  
**BLOOD GROUPING & Rh TYPING**

| <u>PARAMETER</u> | <u>RESULTS</u> |
|------------------|----------------|
| ABO GROUP        | B              |
| Rh TYPING        | NEGATIVE       |

NOTE: Test performed by automated column agglutination technology (CAT) which is more sensitive than conventional methods.

Specimen: EDTA Whole Blood and/or serum

**Clinical significance:**

ABO system is most important of all blood group in transfusion medicine

**Limitations:**

- ABO blood group of new born is performed only by cell (forward) grouping because allo antibodies in cord blood are of maternal origin.
- Since A & B antigens are not fully developed at birth, both Anti-A & Anti-B antibodies appear after the first 4 to 6 months of life. As a result, weaker reactions may occur with red cells of newborns than of adults.
- Confirmation of newborn's blood group is indicated when A & B antigen expression and the isoagglutinins are fully developed at 2 to 4 years of age & remains constant throughout life.
- Cord blood is contaminated with Wharton's jelly that causes red cell aggregation leading to false positive result
- The Hh blood group also known as Oh or Bombay blood group is rare blood group type. The term Bombay is used to refer the phenotype that lacks normal expression of ABH antigens because of inheritance of hh genotype.

**References:**

1. Denise M Harmening, Modern Blood Banking and Transfusion Practices- 6th Edition 2012. F.A. Davis company. Philadelphia
2. AABB technical manual

\*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD CPL, Andheri West

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**AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE**  
**LIPID PROFILE**

| PARAMETER                        | RESULTS | BIOLOGICAL REF RANGE  | METHOD     |
|----------------------------------|---------|---|------------|
| CHOLESTEROL, Serum               | 119.5   | Desirable: <200 mg/dl<br>Borderline High: 200-239mg/dl<br>High: >/=240 mg/dl  | Enzymatic  |
| TRIGLYCERIDES, Serum             | 59.6    | Normal: <150 mg/dl<br>Borderline-high: 150 - 199 mg/dl<br>High: 200 - 499 mg/dl<br>Very high:>/=500 mg/dl                                     | Enzymatic  |
| HDL CHOLESTEROL, Serum           | 36.3    | Desirable: >60 mg/dl<br>Borderline: 40 - 60 mg/dl<br>Low (High risk): <40 mg/dl   | Enzymatic  |
| NON HDL CHOLESTEROL, Serum       | 83.2    | Desirable: <130 mg/dl<br>Borderline-high:130 - 159 mg/dl<br>High:160 - 189 mg/dl<br>Very high: >/=190 mg/dl                                   | Calculated |
| LDL CHOLESTEROL, Serum           | 71.0    | Optimal: <100 mg/dl<br>Near Optimal: 100 - 129 mg/dl<br>Borderline High: 130 - 159 mg/dl<br>High: 160 - 189 mg/dl<br>Very High: >/= 190 mg/dl | Calculated |
| VLDL CHOLESTEROL, Serum          | 12.2    | < /= 30 mg/dl   | Calculated |
| CHOL / HDL CHOL RATIO, Serum     | 3.3     | 0-4.5 Ratio   | Calculated |
| LDL CHOL / HDL CHOL RATIO, Serum | 2.0     | 0-3.5 Ratio   | Calculated |

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**AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE**  
**THYROID FUNCTION TESTS**

| <u>PARAMETER</u>    | <u>RESULTS</u> | <u>BIOLOGICAL REF RANGE</u>   | <u>METHOD</u> |
|---------------------|----------------|---|---------------|
| Free T3, Serum      | 5.5            | 3.5-6.5 pmol/L  | ECLIA         |
| Free T4, Serum      | 17.2           | 11.5-22.7 pmol/L<br>First Trimester:9.0-24.7<br>Second Trimester:6.4-20.59<br>Third Trimester:6.4-20.59 | ECLIA         |
| sensitiveTSH, Serum | 2.35           | 0.35-5.5 microIU/ml<br>First Trimester:0.1-2.5<br>Second Trimester:0.2-3.0<br>Third Trimester:0.3-3.0   | ECLIA         |





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Collected : 30-Dec-2021 / 09:04  
Reported : 30-Dec-2021 / 13:24

**Interpretation:**

A thyroid panel is used to evaluate thyroid function and/or help diagnose various thyroid disorders.

**Clinical Significance:**

- 1)TSH Values between 5.5 to 15 microIU/ml should be correlated clinically or repeat the test with new sample as physiological factors can give falsely high TSH.
- 2)TSH values may be transiently altered because of non thyroidal illness like severe infections,liver disease, renal and heart severe burns, trauma and surgery etc.

| TSH  | FT4 / T4 | FT3 / T3 | Interpretation  |
|------|----------|----------|---|
| High | Normal   | Normal   | Subclinical hypothyroidism, poor compliance with thyroxine, drugs like amiodarone, Recovery phase of non-thyroidal illness, TSH Resistance.   |
| High | Low      | Low      | Hypothyroidism, Autoimmune thyroiditis, post radio iodine Rx, post thyroidectomy, Anti thyroid drugs, tyrosine kinase inhibitors & amiodarone, amyloid deposits in thyroid, thyroid tumors & congenital hypothyroidism. |
| Low  | High     | High     | Hyperthyroidism, Graves disease, toxic multinodular goiter, toxic adenoma, excess iodine or thyroxine intake, pregnancy related (hyperemesis gravidarum, hydatiform mole)   |
| Low  | Normal   | Normal   | Subclinical Hyperthyroidism, recent Rx for Hyperthyroidism, drugs like steroids & dopamine), Non thyroidal illness.   |
| Low  | Low      | Low      | Central Hypothyroidism, Non Thyroidal Illness, Recent Rx for Hyperthyroidism.   |
| High | High     | High     | Interfering anti TPO antibodies, Drug interference: Amiodarone, Heparin, Beta Blockers, steroids & anti epileptics.   |

**Diurnal Variation:**TSH follows a diurnal rhythm and is at maximum between 2 am and 4 am , and is at a minimum between 6 pm and 10 pm. The variation is on the order of 50 to 206%. Biological variation:19.7%(with in subject variation)

**Reflex Tests:**Anti thyroid Antibodies,USG Thyroid ,TSH receptor Antibody. Thyroglobulin, Calcitonin

**Limitations:**Samples should not be taken from patients receiving therapy with high biotin doses (i.e. >5 mg/day) until atleast 8 hours following the last biotin administration.

**Reference:**

- 1.O.koulouri et al. / Best Practice and Research clinical Endocrinology and Metabolism 27(2013)
- 2.Interpretation of the thyroid function tests, Dayan et al. THE LANCET . Vol 357
- 3.Tietz ,Text Book of Clinical Chemistry and Molecular Biology -5th Edition
- 4.Biological Variation:From principles to Practice-Callum G Fraser (AACC Press)

\*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD Borivali Lab, Borivali West

\*\*\* End Of Report \*\*\*



*Anupa*

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CID : 2136425958 SID : 177802960067  
 Name : MRS.RAINA KHARE Registered : 30-Dec-2021 / 09:04  
 Age / Gender : 31 Years/Female Collected : 30-Dec-2021 / 09:04

**PHYSICAL EXAMINATION REPORT**

**History and Complaints:**

Asymptomatic

**EXAMINATION FINDINGS:**

|                                |                 |                     |              |
|--------------------------------|-----------------|---------------------|--------------|
| <b>Height (cms):</b>           | 159 cms         | <b>Weight (kg):</b> | 60 kgs       |
| <b>Temp (0c):</b>              | Aferile         | <b>Skin:</b>        | Normal       |
| <b>Blood Pressure (mm/hg):</b> | 120/80 mm of hg | <b>Nails:</b>       | Normal       |
| <b>Pulse:</b>                  | 70/min          | <b>Lymph Node:</b>  | Not palpable |

**Systems**

**Cardiovascular:** S1S2 audible  
**Respiratory:** AEBE  
**Genitourinary:** NAD  
**GI System:** Liver & Spleen not palpable  
**CNS:** NAD

**IMPRESSION:**

**ADVICE:**

**CHIEF COMPLAINTS:**

- |  |    |
|--|----|
| 1) Hypertension:                         | No |
| 2) IHD                                   | No |
| 3) Arrhythmia                            | No |
| 4) Diabetes Mellitus                     | No |
| 5) Tuberculosis                          | No |
| 6) Asthama                               | No |
| 7) Pulmonary Disease                     | No |
| 8) Thyroid/ Endocrine disorders          | No |
| 9) Nervous disorders                     | No |
| 10) GI system                            | No |
| 11) Genital urinary disorder             | No |
| 12) Rheumatic joint diseases or symptoms | No |
| 13) Blood disease or disorder            | No |
| 14) Cancer/lump growth/cyst              | No |

Preventive Health Check-up | Pathology | Digital X-Ray | Sonography | Colour Doppler | Mammography | BMD (DXA Scan) | OPG | ECG | 2D Echo  
Stress Test/TMT | Spirometry | Eye Examination | Dental Examination | Diet Consultation | Audiometry | OT Sterility | Water Sterility | Clinical Research

CID : 2136425958

SID : 177802960067

Name : MRS.RAINA KHARE

Registered : 30-Dec-2021 / 09:04

Age / Gender : 31 Years/Female

Collected : 30-Dec-2021 / 09:04

- 15) **Congenital disease** No  
16) **Surgeries** No  
17) **Musculoskeletal System** No

**PERSONAL HISTORY:**

- 1) **Alcohol** No  
2) **Smoking** No  
3) **Diet** Mixed  
4) **Medication** No

\*\*\* End Of Report \*\*\*



**Dr.SHISHIR SHETTY**  
**MBBS,D-CARD**  
**CARDIOLOGIST**