



|                                     |                                      |
|-------------------------------------|--------------------------------------|
| Name: <b>PADMINI MANINATH DUBEY</b> | Ward: OPD                            |
| Lab ID: <b>00000231</b>             | Registration on: 24/12/2022 16:36:00 |
| Age & Sex: <b>51 Year   Female</b>  | Reported on: 18:26:18                |
| Reference: <b>VELOCITY HOSPITAL</b> | Sample Type: <b>BLOOD ~ URINE</b>    |

### CBC ESR

| Test           | Observed Value | Unit     | Biological Reference Interval |
|----------------|----------------|----------|-------------------------------|
| Haemoglobin    | 11.5 L         | g/dL     | 12.0 - 16.0                   |
| Total RBC      | 4.00           | mill./cm | 4.00 - 5.20                   |
| Total WBC      | 6100           | /cmm     | 4000 - 11000                  |
| Platelet Count | 153000         | /cmm     | 150000 - 450000               |
| HCT            | 35.1 L         | %        | 36.0 - 48.0                   |
| MCV            | 87.8           | fL       | 80.0 - 100.0                  |
| MCH            | 28.8           | pg       | 27.0 - 32.0                   |
| MCHC           | 32.8           | g/dL     | 31.5 - 36.0                   |

### DIFFERENTIAL COUNT

|             |      |   |           |
|-------------|------|---|-----------|
| Neutrophils | 73 H | % | 40 - 70   |
| Lymphocytes | 22   | % | 20 - 40   |
| Eosinophils | 03   | % | 02-05     |
| Monocytes   | 02   | % | 01-07     |
| Basophils   | 00   | % | 00 - 02   |
| Band Cells  | 00   | % | 0.0 - 6.0 |

### ABSOLUTE DIFFERENTIAL COUNT

|             |       |       |             |
|-------------|-------|-------|-------------|
| Neutrophils | 4453  | /cumm | 2000 - 7000 |
| Lymphocytes | 1342  | /cumm | 1000 - 3000 |
| Eosinophils | 183   | /cumm | 20 - 500    |
| Monocytes   | 122 L | /cumm | 200 - 1000  |
| Basophils   | 0     | /cumm | 0 - 100     |

### GLR / NLR

(Neutrophil/Lymphocyte Ratio)

3.3

### MENTZER INDEX

22.0

|        |      |    |              |
|--------|------|----|--------------|
| RDW-CV | 13.6 | %  | 11.1 - 14.1  |
| MPV    | 10.9 | fL | 7.00 - 11.00 |
| PCT    | 0.17 | %  | 0.10-0.30    |
| PDW    | 15.4 | %  | 10.0-18.00   |

*Bhatt*

DR. TEJAL BHATT  
MD. PATHOLOGIST





Name: **PADMINI MANINATH DUBEY**

Ward: OPD

Lab ID **0000231**

Registration on: 24/12/2022 16:36:00

Age & Sex: **51 Year | Female**

Reported on: 18:26:19

Reference: **VELOCITY HOSPITAL**

Sample Type: **BLOOD ~ URINE**

PERIPHERAL SMEAR EXAMINATION

RBC Morphology  
WBC Morphology  
Platelets in Smear

Normochromic and normocytic.  
Appear normal, Immature cells are not seen.  
Adequate.

Malarial Parasites

Not Detected.

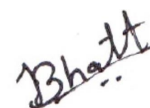
ESR

AFTER 1 HOUR

16

mm/hr

0.0 - 20.0



DR. TEJAL BHATT  
MD. PATHOLOGIST





|                                     |                                      |
|-------------------------------------|--------------------------------------|
| Name: <b>PADMINI MANINATH DUBEY</b> | Ward: OPD                            |
| Lab ID <b>00000231</b>              | Registration on: 24/12/2022 16:36:00 |
| Age & Sex: <b>51 Year   Female</b>  | Reported on: 18:26:19                |
| Reference: <b>VELOCITY HOSPITAL</b> | Sample Type: <b>BLOOD ~ URINE</b>    |

## BLOOD GROUP

| <u>Test</u>        | <u>Observed Value</u> | <u>Unit</u> | <u>Biological Reference Interval</u> |
|--------------------|-----------------------|-------------|--------------------------------------|
| <u>Blood Group</u> | "B"                   |             |                                      |
| <u>Rh Factor</u>   | POSITIVE              |             |                                      |

DR. TEJAL BHATT  
MD. PATHOLOGIST





Name: **PADMINI MANINATH DUBEY**

Ward: OPD

Lab ID **0000231**

Registration on: 24/12/2022 16:36:00

Age & Sex: **51 Year | Female**

Reported on: 18:26:19

Reference: **VELOCITY HOSPITAL**

Sample Type: **BLOOD ~ URINE**

## BLOOD GLUCOSE TEST

Test

Unit

Sample

FLOURIDE PLASMA


FASTING (FBS)

Blood Sugar-F

95.0

mg/dL

70.00-110.00



DR. TEJAL BHATT  
MD. PATHOLOGIST



Name: **PADMINI MANINATH DUBEY**

Ward: OPD

Lab ID **00000231**

Registration on: 24/12/2022 16:36:00

Age & Sex: **51 Year | Female**

Reported on: 18:26:19

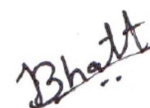
Reference: **VELOCITY HOSPITAL**Sample Type: **BLOOD ~ URINE**

## HEMOGLOBIN A1c TEST

| Test               | Observed Value | Unit  | Biological Reference Interval  |
|--------------------|----------------|-------|--|
| <u>HbA1c</u>       | 6.3 H          | %     | > 8 : Action Suggested<br>7-8 : Good control<br>< 7 : Goal<br>6.2-7 : Near Normal Glycemia<br>< 6.2 : Non-diabetic Level |
| Mean Blood Glucose | 134.1          | mg/dL | 80.0 - 140.0   |

### Importance of HbA1c - Glycated Hb. in Diabetes Mellitus

- HbA1c, also known as Glycated Hemoglobin is the most important test for the assessment of long term blood glucose control (also called glycemic control)
- HbA1c reflects mean blood glucose concentration over past 6-8 weeks and provides a much better indication of long term glycemic control than blood glucose determination
- HbA1c is formed by non-enzymatic reaction between glucose and Hb. , this reaction is irreversible and therefore remains unaffected by short term fluctuations in blood glucose levels.
- Long term complications of diabetes such as retinopathy-eye complications, nephropathy-kidney complications and neuropathy-nerve complications, are potentially serious and can lead to blindness, kidney failure etc.
- Glycemic control monitored by HbA1c measurement using HPLC method-(Gold Standard) is considered most important. (Ref. National Glycohemoglobin Standardization Program -NGSP).

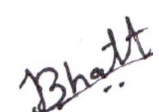
DR. TEJAL BHATT  
MD. PATHOLOGIST



|                                     |                                      |
|-------------------------------------|--------------------------------------|
| Name: <b>PADMINI MANINATH DUBEY</b> | Ward: OPD                            |
| Lab ID <b>00000231</b>              | Registration on: 24/12/2022 16:36:00 |
| Age & Sex: <b>51 Year   Female</b>  | Reported on: 18:26:19                |
| Reference: <b>VELOCITY HOSPITAL</b> | Sample Type: <b>BLOOD ~ URINE</b>    |

## LIPID PROFILE

| Test                          | Observed Value      | Unit  | Biological Reference Interval   |
|-------------------------------|---------------------|-------|---|
| Sample                        | Fasting Blood Serum |       | 0.0 - 0.0   |
| Cholesterol                   | 197.1               | mg/dL | <200 Desirable<br>200-239 Borderline<br>>240 Hig  |
| Triglyceride                  | 87.6                | mg/dL | < 150 Normal<br>150 - 199 Borderline High<br>200 - 499 High<br>>=500 Very High                                  |
| HDL Cholesterol               | 56.8                | mg/dL | 40-60   |
| VLDL                          | 17.52               | mg/dL | 10-40   |
| LDL Cholesterol               | 122.78              | mg/dL | <100 Optimal<br>100-129 Near optimal/above optimal<br>130-159 Borderline High<br>160-189 High<br>>190 Very high |
| Cholesterol / HDL Chol. Ratio | 2.16                |       | 0 - 4.1   |
| Total Lipid                   | 3.5 L               | mg/dl | 400.0 - 1000.0  |



DR. TEJAL BHATT  
MD. PATHOLOGIST



Name: **PADMINI MANINATH DUBEY**

Ward: OPD

Lab ID: **00000231**

Registration on: 24/12/2022 16:36:00

Age & Sex: **51 Year | Female**

Reported on: 18:26:19

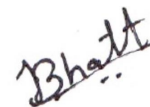
Reference: **VELOCITY HOSPITAL**Sample Type: **BLOOD ~ URINE**

## RENAL FUNCTION TEST

| Test          |      | Unit  |             |
|---------------|------|-------|-------------|
| S. Creatinine | 0.94 | mg/dL | 0.5-1.30    |
| Bl. Urea      | 35.0 | mg/dL | 10.0 - 50.0 |
| BUN           | 16.4 | mg/dl | 6.0 - 22.0  |
| S.Calcium     | 9.0  | mg/dL | 8.8-10.3    |
| Uric Acid     | 3.5  | mg/dL | 2.6 - 6.0   |

### ELECTROLYTES

|                |       |        |               |
|----------------|-------|--------|---------------|
| Sodium (Na+)   | 141.1 | mmol/L | 135.0 - 150.0 |
| Potassium (K+) | 4.20  | mmol/L | 3.60 - 5.40   |
| Chloride (Cl-) | 103.6 | mmol/L | 98.0 - 110.0  |

DR. TEJAL BHATT  
MD. PATHOLOGIST

Name: **PADMINI MANINATH DUBEY**

Ward: OPD

Lab ID: **00000231**

Registration on: 24/12/2022 16:36:00

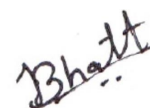
Age & Sex: **51 Year | Female**

Reported on: 18:26:19

Reference: **VELOCITY HOSPITAL**Sample Type: **BLOOD ~ URINE**

## LIVER FUNCTION TEST

| Test                 | Observed Value | Unit  | Biological Reference Interval |
|----------------------|----------------|-------|-------------------------------|
| <b>BILIRUBIN</b>     |                |       |                               |
| Total Bilirubin      | 0.6            | mg/dL | 0.00 - 1.20                   |
| Direct Bilirubin     | 0.3            | mg/dL | 0.00 - 0.40                   |
| Indirect Bilirubin   | 0.30           | mg/dL | 0.20 - 1.00                   |
| SGPT(ALT)            | 22.3           | U/L   | 0.0 - 40.0                    |
| SGOT (AST)           | 29.3           | U/L   | 0.0 - 46.0                    |
| Alkaline Phosphatase | 58.0           | L U/L | 80-306                        |
| <b>PROTEINS</b>      |                |       |                               |
| Total Protein        | 7.3            | g/dL  | 6.0 - 8.0                     |
| Albumin              | 4.3            | g/dL  | 3.50 - 5.50                   |
| Globulin             | 3.0            | g/dL  | 2.5 - 4.0                     |
| A/G Ratio            | 1.4            |       |                               |

DR. TEJAL BHATT  
MD. PATHOLOGIST



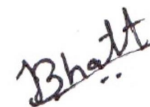


|                                     |                                      |
|-------------------------------------|--------------------------------------|
| Name: <b>PADMINI MANINATH DUBEY</b> | Ward: OPD                            |
| Lab ID: <b>00000231</b>             | Registration on: 24/12/2022 16:36:00 |
| Age & Sex: <b>51 Year   Female</b>  | Reported on: 18:26:19                |
| Reference: <b>VELOCITY HOSPITAL</b> | Sample Type: <b>BLOOD ~ URINE</b>    |

## URINE ANALYSIS

| Test                           | Observed Value | Unit | Biological Reference Interval |
|--------------------------------|----------------|------|-------------------------------|
| Sample                         | Fresh Urine    |      |                               |
| <u>PHYSICAL EXAMINATION</u>    |                |      |                               |
| Quantity                       | 10.0           | mL   |                               |
| Colour                         | Pale-Yellow    |      |                               |
| Appearance                     | Clear          |      |                               |
| pH                             | 6.5            |      |                               |
| Specific Gravity               | 1.020          |      |                               |
| Sediments                      | Absent         |      | Absent                        |
| <u>CHEMICAL EXAMINATION</u>    |                |      |                               |
| Protein (Albumin)              | Absent         |      | Absent                        |
| Sugar                          | Absent         |      | Absent                        |
| Bile Salts                     | Absent         |      | Absent                        |
| Bile Pigment                   | Absent         |      | Absent                        |
| Ketone                         | Absent         |      | Absent                        |
| Occult Blood                   | Absent         |      | Absent                        |
| Nitrite                        | Absent         |      | Absent                        |
| Leukocyte Esterase             | Absent         |      | Absent                        |
| Urobilinogen                   | Normal         |      | Normal                        |
| <u>MICROSCOPIC EXAMINATION</u> |                |      |                               |
| Pus Cells                      | 3-5            | /hpf | Absent                        |
| Red Blood Cells                | Absent         | /hpf | Absent                        |
| Epithelial Cells               | 2-3            |      | Absent                        |
| Crystals                       | Absent         |      | Absent                        |
| Amorphous material             | Absent         |      | Absent                        |
| Casts                          | Absent         |      | Absent                        |
| Yeast                          | Absent         |      | Absent                        |
| Bacteria                       | Absent         |      | Absent                        |

--- End of Report ---



DR. TEJAL BHATT  
 MD. PATHOLOGIST

