



Name: PRAMOD KUMAR GIRI	Ward: OPD
Lab ID: 00000324	Registration on: 29/03/2024 10:04:00
Age & Sex: 47 Year Male	Reported on: 14:36:56
Reference: VELOCITY HOSPITAL	Sample Type: BLOOD & URINE

CBC ESR

Test	Observed Value	Unit	Biological Reference Interval
Haemoglobin	14.2	g/dL	13.5 - 17.5
Total RBC	5.05	mill./cm	4.50 - 5.90
Total WBC	5720	/cmm	4000 - 11000
Platelet Count	151900	/cmm	150000 - 450000
HCT	44.0	%	39.0 - 50.0
MCV	87.1	fL	80.0 - 100.0
MCH	28.1	pg	27.0 - 35.0
MCHC	32.3	g/dL	32.0 - 36.0

DIFFERENTIAL COUNT

Neutrophils	72 H	%	40 - 70
Lymphocytes	24	%	20 - 40
Eosinophils	02	%	02-05
Monocytes	02	%	01-07
Basophils	00	%	00 - 02
Band Cells	00	%	0.0 - 6.0

ABSOLUTE DIFFERENTIAL COUNT

Neutrophils	4118	/cumm	1800 - 7700
Lymphocytes	1373	/cumm	800 - 4800
Eosinophils	114	/cumm	
Monocytes	114	/cumm	
Basophils	0	/cumm	0 - 100

GLR / NLR

(Neutrophil/Lymphocyte Ratio)

3.0

MENTZER INDEX

17.2

RDW-CV	13.4	%	11.1 - 14.1
RDW-SD	46.7	fl	
MPV	11.6	fl	
PCT	0.18	%	

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PDW 17.5 %

PERIPHERAL SM EAR EXAMINATION

RBC Morphology
WBC Morphology
Platelets in Smear

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

Malarial Parasites

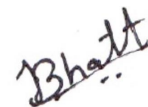
Not Detected.

ESR

AFTER 1 HOUR

20 H mm/hr

0.0 - 15.0



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Reference: VELOCITY HOSPITAL	Sample Type: BLOOD & URINE

BLOOD GROUP

<u>Test</u>	<u>Observed Value</u>	<u>Unit</u>	<u>Biological Reference Interval</u>
Blood Group	"A"		
Rh Factor	NEGATIVE		
NOTE	Rh negative test confirmed by DU test .		

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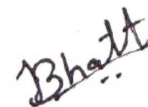




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Reference: VELOCITY HOSPITAL	Sample Type: BLOOD & URINE

BLOOD GLUCOSE TEST

<u>Test</u>	<u>Observed Value</u>	<u>Unit</u>	<u>Biological Reference Interval</u>
Sample	FLOURIDE PLASMA		
<u>FASTING (FBS)</u>			
Blood Sugar-F	125.5	H mg/dL	70.00-110.00



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Name: **PRAMOD KUMAR GIRI**

Ward: OPD

Lab ID: **00000324**

Registration on: 29/03/2024 10:04:00

Age & Sex: **47 Year | Male**

Reported on: 14:36:56

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

HEMOGLOBIN A1c TEST

Test	Observed Value	Unit	Biological Reference Interval	
HbA1c	7.20	H	%	> 8 : Action Suggested 7-8 : Good control < 7 : Goal 6.2-7 : Near Normal Glycemia < 6.2 : Non-diabetic Level
Mean Blood Glucose	159.9	H	mg/dL	70.0 - 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).

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Ward: OPD

Lab ID: **00000324**

Registration on: 29/03/2024 10:04:00

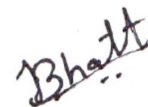
Age & Sex: **47 Year | Male**

Reported on: 14:36:56

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

LIPID PROFILE

Test	Observed Value	Unit	Biological Reference Interval
Sample	Fasting Blood Serum		
Cholesterol	179.1	mg/dL	<200 Desirable 200-229 Borderline >240 High
Triglyceride	171.2 H	mg/dL	<150 Normal 150-199 Borderline 200-499 High >=500 Very High
HDL Cholesterol	42.5	mg/dL	40-60
VLDL	34.24 H	mg/dL	0.00 - 30.00
LDL Cholesterol	102.36	mg/dL	< 130 : Optimal 130 - 159 : Borderline High 160 - 189 : High >= 190 : Very High
LDL Chol. / HDL Chol. Ratio	2.41		1.0 - 3.4
Cholesterol / HDL Chol. Ratio	4.2 H		0 - 3.5
Total Lipid	640.1	mg/dl	400.0 - 1000.0

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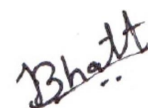
Age & Sex: **47 Year | Male**

Reported on: 14:36:56

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

RENAL FUNCTION TEST

Test		Unit	
S. Creatinine	1.04	mg/dL	0.5-1.30
Bl. Urea	24.0	mg/dL	10.0 - 40.0
BUN	11.2	mg/dl	6.0 - 22.0
S.Calcium	9.82	mg/dL	8.8-10.3
Uric Acid	4.2	mg/dL	3.5 - 7.2
PROTEINS			
Total Protein	6.5	g/dL	6.0 - 8.0
Albumin	3.92	g/dL	3.50 - 5.50
Globulin	2.6	g/dL	2.0 - 4.0
A/G Ratio	1.5		
ELECTROLYTES			
Sodium (Na+)	142.0	mmol/L	135.0 - 150.0
Potassium (K+)	4.53	mmol/L	3.60 - 5.40
Chloride (Cl-)	102.0	mmol/L	98.0 - 110.0

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Name: PRAMOD KUMAR GIRI	Ward: OPD
Lab ID: 00000324	Registration on: 29/03/2024 10:04:00
Age & Sex: 47 Year Male	Reported on: 14:36:57
Reference: VELOCITY HOSPITAL	Sample Type: BLOOD & URINE

LIVER FUNCTION TEST

<u>Test</u>	<u>Observed Value</u>	<u>Unit</u>	<u>Biological Reference Interval</u>
<u>BILIRUBIN</u>			
Total Bilirubin	0.7	mg/dL	0.00 - 1.20
Direct Bilirubin	0.3	mg/dL	0.00 - 0.40
Indirect Bilirubin	0.40	mg/dL	0.00 - 1.00
SGPT(ALT)	37.6	U/L	0.0 - 40.0
SGOT (AST)	24.4	U/L	0.0 - 46.0
Alkaline Phosphatase	200.5	U/L	64.0 - 306.0
<u>PROTEINS</u>			
Total Protein	6.5	g/dL	6.0 - 8.0
Albumin	3.92	g/dL	3.50 - 5.50
Globulin	2.6	g/dL	2.0 - 4.0
A/G Ratio	1.5		

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Age & Sex: 47 Year Male	Reported on: 14:36:57
Reference: VELOCITY HOSPITAL	Sample Type: BLOOD & URINE

BLOOD CHEMISTRY

<u>Test</u>	<u>Observed Value</u>	<u>Unit</u>	<u>Biological Reference Interval</u>
Phosphorus	3.5	mg/dL	2.50-4.50

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Age & Sex: 47 Year Male	Reported on: 14:36:57
Reference: VELOCITY HOSPITAL	Sample Type: BLOOD & URINE

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		Clear
pH	6.0		
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	Occasional	/hpf	Absent
Red Blood Cells	Absent	/hpf	Absent
Epithelial Cells	Absent	/hpf	Absent
Crystals	Absent		Absent
Amorphous material	Absent		Absent
Casts	Absent		Absent
Yeast	Absent		Absent
Bacteria	Absent		Absent

--- End of Report ---

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Name: PUSHPANJALI GIRI	Ward: OPD
Lab ID: 00000325	Registration on: 29/03/2024 10:06:00
Age & Sex: 42 Year Female	Reported on: 15:02:05
Reference: VELOCITY HOSPITAL	Sample Type: BLOOD & URINE

CBC ESR

Test	Observed Value	Unit	Biological Reference Interval
Haemoglobin	11.7 L	g/dL	12.0 - 16.0
Total RBC	4.68	mill./cm	4.00 - 5.20
Total WBC	7920	/cmm	4000 - 11000
Platelet Count	275100	/cmm	150000 - 450000
HCT	37.4	%	35.0 - 45.0
MCV	79.9 L	fL	80.0 - 99.0
MCH	25.0 L	pg	27.0 - 34.0
MCHC	31.3 L	g/dL	32.0 - 37.0
DIFFERENTIAL COUNT			
Neutrophils	62	%	40 - 70
Lymphocytes	34	%	20 - 40
Eosinophils	02	%	02-05
Monocytes	02	%	01-07
Basophils	00	%	00 - 02
Band Cells	00	%	0.0 - 6.0
ABSOLUTE DIFFERENTIAL COUNT			
Neutrophils	4910	/cumm	1800 - 7700
Lymphocytes	2693	/cumm	800 - 4800
Eosinophils	158	/cumm	
Monocytes	158	/cumm	
Basophils	0	/cumm	0 - 100
GLR / NLR (Neutrophil/Lymphocyte Ratio)	1.8		
MENTZER INDEX			
RDW-CV	14.2 H	%	11.1 - 14.1
RDW-SD	45.4	fl	
MPV	9.9	fl	
PCT	0.27	%	

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Name: PUSHPANJALI GIRI	Ward: OPD
Lab ID 00000325	Registration on: 29/03/2024 10:06:00
Age & Sex: 42 Year Female	Reported on: 15:02:05
Reference: VELOCITY HOSPITAL	Sample Type: BLOOD & URINE

PDW 18.8 %

PERIPHERAL SM EAR EXAMINATION

RBC Morphology
WBC Morphology
Platelets in Smear

**Hypochromia (+), Microcytosis (+), Anisocytosis (+),
Appear normal, Immature cells are not seen .
Adequate.**

Malarial Parasites

Not Detected.

ESR

AFTER 1 HOUR

20 mm/hr

0.0 - 20.0

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Name: PUSHPANJALI GIRI	Ward: OPD
Lab ID: 00000325	Registration on: 29/03/2024 10:06:00
Age & Sex: 42 Year Female	Reported on: 15:02:05
Reference: VELOCITY HOSPITAL	Sample Type: BLOOD & URINE

BLOOD GROUP

<u>Test</u>	<u>Observed Value</u>	<u>Unit</u>	<u>Biological Reference Interval</u>
Blood Group	"AB"		
Rh Factor	NEGATIVE		
NOTE	Rh negative test confirmed by DU test .		

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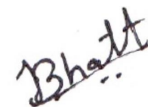




Name: PUSHPANJALI GIRI	Ward: OPD
Lab ID: 00000325	Registration on: 29/03/2024 10:06:00
Age & Sex: 42 Year Female	Reported on: 15:02:05
Reference: VELOCITY HOSPITAL	Sample Type: BLOOD & URINE

BLOOD GLUCOSE TEST

<u>Test</u>	<u>Observed Value</u>	<u>Unit</u>	<u>Biological Reference Interval</u>
Sample	FLOURIDE PLASMA		
<u>FASTING (FBS)</u>			
Blood Sugar-F	73.6	mg/dL	70.00-110.00



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Name: **PUSHPANJALI GIRI**

Ward: OPD

Lab ID **00000325**

Registration on: 29/03/2024 10:06:00

Age & Sex: **42 Year | Female**

Reported on: 15:02:05

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

HEMOGLOBIN A1c TEST

Test	Observed Value	Unit	Biological Reference Interval
HbA1c	4.76	%	> 8 : Action Suggested 7-8 : Good control < 7 : Goal 6.2-7 : Near Normal Glycemia < 6.2 : Non-diabetic Level
Mean Blood Glucose	89.9	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).

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Name: PUSHPANJALI GIRI	Ward: OPD
Lab ID: 00000325	Registration on: 29/03/2024 10:06:00
Age & Sex: 42 Year Female	Reported on: 15:02:06
Reference: VELOCITY HOSPITAL	Sample Type: BLOOD & URINE

LIPID PROFILE

Test	Observed Value	Unit	Biological Reference Interval
Sample	Fasting Blood Serum		
Cholesterol	155.2	mg/dL	<200 Desirable 200-229 Borderline >240 High
Triglyceride	97.1	mg/dL	<150 Normal 150-199 Borderline 200-499 High >=500 Very High
HDL Cholesterol	47.5	mg/dL	40-60
VLDL	19.42	mg/dL	0.00 - 30.00
LDL Cholesterol	88.28	mg/dL	< 130 : Optimal 130 - 159 : Borderline High 160 - 189 : High >= 190 : Very High
LDL Chol. / HDL Chol. Ratio	1.86		1.0 - 3.4
Cholesterol / HDL Chol. Ratio	3.3		0 - 3.5
Total Lipid	511.7	mg/dl	400.0 - 1000.0

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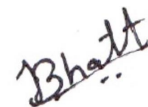
Name: PUSHPANJALI GIRI	Ward: OPD
Lab ID 00000325	Registration on: 29/03/2024 10:06:00
Age & Sex: 42 Year Female	Reported on: 15:02:06
Reference: VELOCITY HOSPITAL	Sample Type: BLOOD & URINE

RENAL FUNCTION TEST

Test		Unit	
S. Creatinine	0.92	mg/dL	0.5-1.30
Bl. Urea	24.2	mg/dL	10.0 - 40.0
BUN	11.3	mg/dl	6.0 - 22.0
Uric Acid	3.96	mg/dL	2.6 - 6.0

PROTEINS

Total Protein	6.5	g/dL	6.0 - 8.0
Albumin	3.89	g/dL	3.50 - 5.50
Globulin	2.6	g/dL	2.5 - 4.0
A/G Ratio	1.5		



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Name: PUSHPANJALI GIRI	Ward: OPD
Lab ID: 00000325	Registration on: 29/03/2024 10:06:00
Age & Sex: 42 Year Female	Reported on: 15:02:06
Reference: VELOCITY HOSPITAL	Sample Type: BLOOD & URINE

LIVER FUNCTION TEST

Test	Observed Value	Unit	Biological Reference Interval
<u>BILIRUBIN</u>			
Total Bilirubin	0.4	mg/dL	0.00 - 1.20
Direct Bilirubin	0.2	mg/dL	0.00 - 0.40
Indirect Bilirubin	0.20	mg/dL	0.00 - 1.00
SGPT(ALT)	15.4	U/L	0.0 - 40.0
SGOT (AST)	20.2	U/L	0.0 - 46.0
Alkaline Phosphatase	202.4	U/L	64.0 - 306.0
<u>PROTEINS</u>			
Total Protein	6.5	g/dL	6.0 - 8.0
Albumin	3.89	g/dL	3.50 - 5.50
Globulin	2.6	g/dL	2.5 - 4.0
A/G Ratio	1.5		

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Ward: OPD

Lab ID: **00000325**

Registration on: 29/03/2024 10:06:00

Age & Sex: **42 Year | Female**

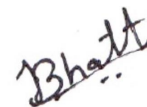
Reported on: 15:02:06

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

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		Clear
pH	6.0		
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	2-3	/hpf	Absent
Red Blood Cells	Absent	/hpf	Absent
Epithelial Cells	2-3	/hpf	Absent
Crystals	Absent		Absent
Amorphous material	Absent		Absent
Casts	Absent		Absent
Yeast	Absent		Absent
Bacteria	Absent		Absent

--- End of Report ---

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