TEST REPORT

Reg. No.	: 403100513 **Reg. Date** : 16-Mar-2024 09:24 **Ref.No** :	**Approved On**	: 16-Mar-2024 10:59
Name	: Mr. MAULINKUMAR HAPANI	**Collected On**	: 16-Mar-2024 09:28
Age	: 44 Years **Gender:** Male **Pass. No. :**	**Dispatch At**	:
Ref. By	: APOLLO	**Tele No.**	:
Location	:		

Test Name		Results	Units	Bio. Ref. Interval
		Complete Blood Count Specimen: EDTA blood		
Hemoglobin				
Hemoglobin(SLS method)	L	**10.5**	g/dL	13.0 - 17.0
Hematocrit (calculated)	L	**33.4**	%	40 - 50
RBC Count(Ele.Impedence)		4.81	X 10^12/L	4.5 - 5.5
MCV (Calculated)	L	**69.4**	fL	83 - 101
MCH (Calculated)	L	**21.8**	pg	27 - 32
MCHC (Calculated)	L	**31.4**	g/dL	31.5 - 34.5
RDW (Calculated)		14.4	%	11.5 - 14.5
Differential WBC count (Impedance and flow)				
Total WBC count		5300	/µL	4000 - 10000
Neutrophils		55	%	38 - 70
Lymphocytes		37	%	21 - 49
Monocytes		05	%	3 - 11
Eosinophils		03	%	0 - 7
Basophils		00	%	0 - 1
Hypochromia		(+)		
Microcytosis		(+)		
Platelet				
Platelet Count (Ele.Impedence)		352000	/cmm	150000 - 410000
MPV		7.70	fL	6.5 - 12.0
Platelets appear on the smear		Adequate		
Malarial Parasites		Not Detected		

EDTA Whole Blood

Note: All abnormal hemograms are reviewed and confirmed microscopically.Peripheral blood smear and malarial parasite examination are not part of CBC report.

Test done from collected sample.

This is an electronically authenticated report.

Approved by: **Dr. Keyur Patel**
M.B.B.S,D.C.P(Patho)
G- 22475

Approved On: 16-Mar-2024 10:59

Generated On : 16-Mar-2024 17:19

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Unipath SPECIALITY LABORATORY Ltd. PRAHLADNAGAR BRANCH

TEST REPORT

Reg. No.	: 403100513 **Reg. Date** : 16-Mar-2024 09:24 **Ref.No** :	**Approved On**	: 16-Mar-2024 13:29
Name	: Mr. MAULINKUMAR HAPANI	**Collected On**	: 16-Mar-2024 09:28
Age	: 44 Years **Gender:** Male **Pass. No. :**	**Dispatch At**	:
Ref. By	: APOLLO	**Tele No.**	:
Location	:		

Test Name	Results	Units	Bio. Ref. Interval
ESR	05	mm/hr	17-50 Yrs : <12, 51-60 Yrs : <19, 61-70 Yrs : <20, >70 Yrs: <30

Method:Modified Westergren

EDTA Whole Blood

Test done from collected sample.

This is an electronically authenticated report.

Approved by: **Dr. Keyur Patel**
M.B.B.S,D.C.P(Patho)
G- 22475

Generated On : 16-Mar-2024 17:19

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TEST REPORT

Reg. No.	: 403100513	**Reg. Date :** 16-Mar-2024 09:24	**Ref.No :**	**Approved On**	: 16-Mar-2024 13:30
Name	: Mr. MAULINKUMAR HAPANI			**Collected On**	: 16-Mar-2024 09:28
Age	: 44 Years	**Gender:** Male	**Pass. No. :**	**Dispatch At**	:
Ref. By	: APOLLO			**Tele No.**	:
Location	:				

Test Name	Results	Units	Bio. Ref. Interval

BLOODGROUP & RH

Specimen: EDTA and Serum; Method: Gel card system

Blood Group "ABO" *Agglutination*	"O"		
Blood Group "Rh" *Agglutination*	Positive		

EDTA Whole Blood

Test done from collected sample.

This is an electronically authenticated report.

Approved by: **Dr. Keyur Patel**
M.B.B.S,D.C.P(Patho)
G- 22475

Generated On : 16-Mar-2024 17:19

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TEST REPORT

Reg. No.	: 403100513 **Reg. Date** : 16-Mar-2024 09:24 **Ref.No** :	**Approved On**	: 16-Mar-2024 17:13
Name	: Mr. MAULINKUMAR HAPANI	**Collected On**	: 16-Mar-2024 09:28
Age	: 44 Years **Gender:** Male **Pass. No. :**	**Dispatch At**	:
Ref. By	: APOLLO	**Tele No.**	:
Location	:		

Test Name	Results	Units	Bio. Ref. Interval
PERIPHERAL BLOOD SMEAR EXAMINATION			
Specimen: Peripheral blood smear & EDTA blood, Method:Microscopy			
RBC Morphology	**Mild anisopoikilocytosis with hypochromic (++) microcytic (+++). Few eliptocytes are seen.**		
WBC Morphology	Total WBC and differential count is within normal limit. No abnormal cells or blasts are seen.		
Differential Count	.		
Neutrophils	55	%	38 - 70
Lymphocytes	37	%	21 - 49
Monocytes	05	%	3 - 11
Eosinophils	03	%	0 - 7
Basophils	00	%	0 - 2
Platelets	Platelets are adequate with normal morphology.		
Parasite	Malarial parasite is not detected.		
Comment	**Microcytic anemia. Iron deficiency is most likely. S. Iron profile is required for confirmation.**		

Sample Type: EDTA Whole Blood

Test done from collected sample.

This is an electronically authenticated report.

Approved by: **Dr. Avinash B Panchal**
MBBS,DCP
G-44623

Approved On: 16-Mar-2024 17:13

Generated On : 16-Mar-2024 17:19

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TEST REPORT

Reg. No.	: 403100513 **Reg. Date** : 16-Mar-2024 09:24 **Ref.No** :	**Approved On**	: 16-Mar-2024 11:44
Name	: Mr. MAULINKUMAR HAPANI	**Collected On**	: 16-Mar-2024 09:28
Age	: 44 Years **Gender:** Male **Pass. No. :**	**Dispatch At**	:
Ref. By	: APOLLO	**Tele No.**	:
Location	:		

Test Name	Results	Units	Bio. Ref. Interval
FASTING PLASMA GLUCOSE			
Specimen: Fluoride plasma			
Fasting Plasma Glucose *Hexokinase*	90.00	mg/dL	Normal: <=99.0 Prediabetes: 100-125 Diabetes :>=126
Flouride Plasma			

Criteria for the diagnosis of diabetes:

1. HbA1c >/= 6.5 *

Or

2. Fasting plasma glucose >126 gm/dL. Fasting is defined as no caloric intake at least for 8 hrs.

Or

3. Two hour plasma glucose >/= 200mg/dL during an oral glucose tolerence test by using a glucose load containing equivalent of 75 gm anhydrous glucose dissolved in water.

Or

4. In a patient with classic symptoms of hyperglycemia or hyperglycemic crisis, a random plasma glucose >/= 200 mg/dL. *In the absence of unequivocal hyperglycemia, criteria 1-3 should be confirmed by repeat testing. American diabetes association. Standards of medical care in diabetes 2011. Diabetes care 2011;34;S11.

Test done from collected sample.

This is an electronically authenticated report.

Approved by: **Dr. Keyur Patel**
M.B.B.S,D.C.P(Patho)
G- 22475

Generated On : 16-Mar-2024 17:19

Approved On: 16-Mar-2024 11:44

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TEST REPORT

Reg. No.	: 403100513 **Reg. Date** : 16-Mar-2024 09:24 **Ref.No** :	**Approved On**	: 16-Mar-2024 17:19
Name	: Mr. MAULINKUMAR HAPANI	**Collected On**	: 16-Mar-2024 16:38
Age	: 44 Years **Gender:** Male **Pass. No. :**	**Dispatch At**	:
Ref. By	: APOLLO	**Tele No.**	:
Location	:		

Test Name		Results	Units	Bio. Ref. Interval
POST PRANDIAL PLASMA GLUCOSE **Specimen: Fluoride plasma**				
Post Prandial Plasma Glucose *Hexokinase*	L	**93.25**	mg/dL	Normal: <=139 Prediabetes : 140-199 Diabetes: >=200
Flouride Plasma				

Test done from collected sample.

This is an electronically authenticated report.

Approved by: **Dr. Keyur Patel**
M.B.B.S,D.C.P(Patho)
G- 22475

Generated On : 16-Mar-2024 17:19

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TEST REPORT

Reg. No.	: 403100513 **Reg. Date** : 16-Mar-2024 09:24 **Ref.No** :	**Approved On**	: 16-Mar-2024 13:33
Name	: Mr. MAULINKUMAR HAPANI	**Collected On**	: 16-Mar-2024 09:28
Age	: 44 Years **Gender:** Male **Pass. No. :**	**Dispatch At**	:
Ref. By	: APOLLO	**Tele No.**	:
Location	:		

Test Name	Results	Units	Bio. Ref. Interval
GGT	33	U/L	10 - 71

L-Y-Glutamyl-3 Carboxy-4-Nitroanilide, Enzymetic Colorimetric

Serum

Uses:

- Diagnosing and monitoring hepatobilliary disease.
- To ascertain whether the elevated ALP levels are due to skeletal disease or due to presence of hepatobiliary disease.
- A screening test for occult alcoholism.

Increased in:

- Intra hepatic biliary obstruction.
- Post hepatic biliary obstruction
- Alcoholic cirrhosis
- Drugs such as phenytoin and phenobarbital.
- Infectious hepatitis (modest elevation)
- Primary/ Secondary neoplasms of liver.

Test done from collected sample.

This is an electronically authenticated report.

Approved by: **Dr. Keyur Patel**

M.B.B.S,D.C.P(Patho)
G- 22475

Generated On : 16-Mar-2024 17:19

Approved On: 16-Mar-2024 13:33

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TEST REPORT

Reg. No.	: 403100513 **Reg. Date** : 16-Mar-2024 09:24 **Ref.No** :	**Approved On**	: 16-Mar-2024 13:40
Name	: Mr. MAULINKUMAR HAPANI	**Collected On**	: 16-Mar-2024 09:28
Age	: 44 Years **Gender:** Male **Pass. No. :**	**Dispatch At**	:
Ref. By	: APOLLO	**Tele No.**	:
Location	:		

Test Name	Results	Units	Bio. Ref. Interval
	LIPID PROFILE		
CHOLESTEROL	133.00	mg/dL	Desirable <=200 Borderline high risk 200 - 240 High Risk >240
Triglyceride *Enzymatic Colorimetric Method*	91.00	mg/dL	<150 : Normal, 150-199 : Border Line High, 200-499 : High, >=500 : Very High
Very Low Density Lipoprotein(VLDL) *Calculated*	18	mg/dL	0 - 30
Low-Density Lipoprotein (LDL) *Calculated Method*	72.80	mg/dL	< 100 : Optimal, 100-129 : Near Optimal/above optimal, 130-159 : Borderline High, 160-189 : High, >=190 : Very High
High-Density Lipoprotein(HDL)	42.20	mg/dL	<40 >60
CHOL/HDL RATIO *Calculated*	3.15		0.0 - 3.5
LDL/HDL RATIO *Calculated*	1.73		1.0 - 3.4
TOTAL LIPID *Calculated*	408.00	mg/dL	400 - 1000
Serum			

As a routine test to determine if your cholesterol level is normal or falls into a borderline-, intermediate- or high-risk category.
To monitor your cholesterol level if you had abnormal results on a previous test or if you have other risk factors for heart disease.
To monitor your body's response to treatment, such as cholesterol medications or lifestyle changes.
To help diagnose other medical conditions, such as liver disease.
Note : biological reference intervals are according to the national cholesterol education program (NCEP) guidelines.

Test done from collected sample.

This is an electronically authenticated report.

Approved by: **Dr. Keyur Patel**
M.B.B.S,D.C.P(Patho)
G- 22475

Generated On : 16-Mar-2024 17:19

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TEST REPORT

Reg. No.	: 403100513	**Reg. Date** : 16-Mar-2024 09:24	**Ref.No** :	**Approved On**	: 16-Mar-2024 13:40
Name	: Mr. MAULINKUMAR HAPANI			**Collected On**	: 16-Mar-2024 09:28
Age	: 44 Years	**Gender:** Male	**Pass. No. :**	**Dispatch At**	:
Ref. By	: APOLLO			**Tele No.**	:
Location	:				

Test Name	Results	Units	Bio. Ref. Interval
	LIVER FUNCTION TEST		
TOTAL PROTEIN	7.55	g/dL	6.6 - 8.8
ALBUMIN	4.76	g/dL	3.5 - 5.2
GLOBULIN *Calculated*	2.79	g/dL	2.4 - 3.5
ALB/GLB *Calculated*	1.71		1.2 - 2.2
SGOT	32.80	U/L	<35
SGPT	38.20	U/L	<41
Alkaline Phosphatase *ENZYMATIC COLORIMETRIC IFCC, PNP, AMP BUFFER*	47.30	U/L	40 - 130
TOTAL BILIRUBIN	0.78	mg/dL	0.1 - 1.2
DIRECT BILIRUBIN	0.21	mg/dL	<0.2
INDIRECT BILIRUBIN *Calculated*	0.57	mg/dL	0.0 - 1.00

Serum

Test done from collected sample.

This is an electronically authenticated report.

Approved by: **Dr. Keyur Patel**
M.B.B.S,D.C.P(Patho)
G- 22475

Generated On : 16-Mar-2024 17:19

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TEST REPORT

Reg. No.	: 403100513 **Reg. Date** : 16-Mar-2024 09:24 **Ref.No** :	**Approved On**	: 16-Mar-2024 14:29
Name	: Mr. MAULINKUMAR HAPANI	**Collected On**	: 16-Mar-2024 09:28
Age	: 44 Years **Gender:** Male **Pass. No. :**	**Dispatch At**	:
Ref. By	: APOLLO	**Tele No.**	:
Location	:		

Test Name	Results	Units	Bio. Ref. Interval
HEMOGLOBIN A1C (HBA1C) *High Performance Liquid Chromatographty (HPLC)*	5.80	%	Normal: <= 5.6 Prediabetes:5.7-6.4 Diabetes: >= 6.5 6-7 : Near Normal Glycemia, <7 : Goal ,7-8 : Good Control ,>8 : Action Suggested.
Mean Blood Glucose *(Calculated)*	120	mg/dL	

Sample Type: EDTA Whole Blood

Criteria for the diagnosis of diabetes

1. HbA1c >/= 6.5 * Or Fasting plasma glucose >126 gm/dL. Fasting is defined as no caloric intake at least for 8 hrs. Or
2. Two hour plasma glucose >/= 200mg/dL during an oral glucose tolerence test by using a glucose load containing equivalent of 75 gm anhydrous glucose dissolved in water. Or
3. In a patient with classic symptoms of hyperglycemia or hyperglycemic crisis, a random plasma glucose >/= 200 mg/dL. *In the absence of unequivocal hyperglycemia, criteria 1-3 should be confirmed by repeat testing.American diabetes association. Standards of medical care in diabetes 2011. Diabetes care 2011:34:S11.

Limitation of HbA1c

1) In patients with Hb variants even analytically correct results do not reflect the same level of glycemic control that would be expected in patients with normal population.
2) Any cause of shortened erythrocyte survival or decreased mean erythrocyte survival or decreased mean erythrocyte age eg. hemolytic diseases, pregnancy, significant recent/chronic blood loss etc. will reduce exposure of RBC to glucose with consequent decrease in HbA1c values.
3) Glycated HbF is not detected by this assay and hence specimens containing high HbF (>10%)may result in lower HbA1c values than expected. Importance of HbA1C (Glycated Hb.) in Diabetes Mellitus

- HbA1C, also known as glycated heamoglobin, is the most important test for the assessment of long term blood glucose control(also called glycemic control).
- HbA1C reflects mean glucose concentration over pas 6-8 weeks and provides a much better indication of longterm 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.
- Glyemic control monitored by HbA1c measurement using HPLC method (GOLD STANDARD) is considered most important. (Ref. National Glycohaemoglobin Standardization Program - NGSP)

Note : Biological reference intervals are according to American Diabetes Association (ADA) Guidelines.

Test done from collected sample.

This is an electronically authenticated report.

Approved by: **Dr. Hiral Arora**
M.D. Biochemistry
Reg. No.:- G-32999

Approved On: 16-Mar-2024 14:29

Generated On : 16-Mar-2024 17:19

For Appointment : 7567 000 750
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Unipath SPECIALITY LABORATORY Ltd. PRAHLADNAGAR BRANCH

TEST REPORT

Reg. No.	: 403100513 **Reg. Date** : 16-Mar-2024 09:24 **Ref.No** :	**Approved On**	: 16-Mar-2024 14:29
Name	: Mr. MAULINKUMAR HAPANI	**Collected On**	: 16-Mar-2024 09:28
Age	: 44 Years **Gender:** Male **Pass. No. :**	**Dispatch At**	:
Ref. By	: APOLLO	**Tele No.**	:
Location	:		

Bio-Rad CDM System
Bio-Rad Variant V-II Instrument #1

PATIENT REPORT
V2TURBO_A1c_2.0

Patient Data

Sample ID: 140303500394
Patient ID:
Name:
Physician:
Sex:
DOB:

Comments:

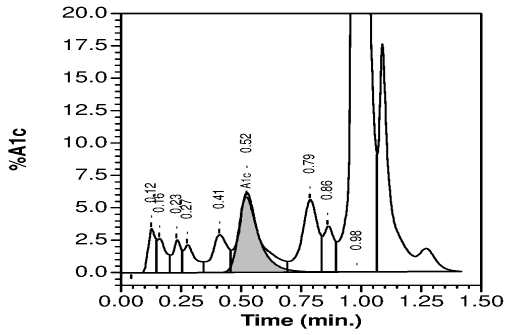
Analysis Data

Analysis Performed: 16/03/2024 14:04:16
Injection Number: 11650
Run Number: 492
Rack ID:
Tube Number: 2
Report Generated: 16/03/2024 14:19:46
Operator ID:

Peak Name	NGSP %	Area %	Retention Time (min)	Peak Area
A1a	---	1.1	0.124	12095
Unknown	---	0.9	0.158	10309
A1b	---	0.8	0.230	9615
F	---	1.0	0.275	11613
LA1c	---	1.7	0.410	19761
A1c	5.8	---	0.522	55195
P3	---	3.6	0.786	41620
P4	---	1.5	0.860	17337
Ao	---	84.6	0.979	973391

Total Area: 1,150,936

HbA1c (NGSP) = 5.8 %



Test done from collected sample.

This is an electronically authenticated report.

Approved by: Dr. Hiral Arora
M.D. Biochemistry
Reg. No.:- G-32999

Approved On: 16-Mar-2024 14:29

Generated On : 16-Mar-2024 17:19

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TEST REPORT

Reg. No.	: 403100513 **Reg. Date :** 16-Mar-2024 09:24 **Ref.No :**	**Approved On**	: 16-Mar-2024 13:18
Name	: Mr. MAULINKUMAR HAPANI	**Collected On**	: 16-Mar-2024 09:28
Age	: 44 Years **Gender:** Male **Pass. No. :**	**Dispatch At**	:
Ref. By	: APOLLO	**Tele No.**	:
Location	:		

Test Name	Results	Units	Bio. Ref. Interval
	THYROID FUNCTION TEST		
T3 (triiodothyronine), Total *CMIA*	1.23	ng/mL	0.70 - 2.04
T4 (Thyroxine),Total *CMIA*	7.84	µg/dL	4.6 - 10.5
TSH (Thyroid stimulating hormone) *CMIA*	4.203	µIU/mL	0.35 - 4.94

Sample Type: Serum

Comments:
Thyroid stimulating hormone (TSH) is synthesized and secreted by the anterior pituitary in response to a negative feedback mechanism involving concentrations of FT3 (free T3) and FT4 (free T4). Additionally, the hypothalamic tripeptide, thyrotropin-relasing hormone (TRH), directly stimulates TSH production. TSH stimulates thyroid cell production and hypertrophy, also stimulate the thyroid gland to synthesize and secrete T3 and T4. Quantification of TSH is significant to differentiate primary (thyroid) from secondary (pituitary) and tertiary (hypothalamus) hypothyroidism. In primary hypothyroidism, TSH levels are significantly elevated, while in secondary and tertiary hypothyroidism, TSH levels are low.

TSH levels During Pregnancy :

- First Trimester : 0.1 to 2.5 µIU/mL
- Second Trimester : 0.2 to 3.0 µIU/mL
- Third trimester : 0.3 to 3.0 µIU/mL

Referance : Carl A.Burtis,Edward R.Ashwood,David E.Bruns. Tietz Textbook of Clinical Chemistry and Molecular Diagnostics. 5th Eddition. Philadelphia: WB Sounders,2012:2170

Test done from collected sample.

This is an electronically authenticated report.

Approved by: **Dr.Vidhi Patel**
M.D BIOCHEMISTRY
Reg. No.:-G-34739

Generated On : 16-Mar-2024 17:19

Approved On: 16-Mar-2024 13:18

For Appointment : 7567 000 750
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TEST REPORT

Reg. No.	: 403100513 **Reg. Date :** 16-Mar-2024 09:24 **Ref.No :**	**Approved On**	: 16-Mar-2024 13:17
Name	: Mr. MAULINKUMAR HAPANI	**Collected On**	: 16-Mar-2024 09:28
Age	: 44 Years **Gender:** Male **Pass. No. :**	**Dispatch At**	:
Ref. By	: APOLLO	**Tele No.**	:
Location	:		

Test Name	Results	Units	Bio. Ref. Interval
Prostate Specific Antigen (PSA),Total	0.335	ng/mL	0 - 4
CMIA			

Sample Type: Serum

Useful For

1. Evaluating patients with documented prostate problems in whom multiple prostate-specific antigen tests may be necessary per year
2. Monitoring patients with a history of prostate cancer as an early indicator of recurrence and response to reatment.
3.Prostate cancer screening.

Comments

-Prostate-specific antigen (PSA) is a glycoprotein that is produced by the prostate gland, the lining of the urethra, and the bulbourethral gland. Normally, very little PSA is secreted in the blood. Increases in glandular size and tissue damage caused by benign prostatic hypertrophy, prostatitis, or prostate cancer may increase circulating PSA levels.

-Digital rectal examination generally does not increase normal prostate-specific antigen (PSA) values. However, cystoscopy, urethral instrumentation, and prostate biopsy may increase PSA levels.

Test done from collected sample.

This is an electronically authenticated report.

Approved by: **Dr.Vidhi Patel**
M.D BIOCHEMISTRY
Reg. No.:-G-34739

Approved On: 16-Mar-2024 13:17

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TEST REPORT

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Name	: Mr. MAULINKUMAR HAPANI	**Collected On**	: 16-Mar-2024 09:28
Age	: 44 Years **Gender:** Male **Pass. No. :**	**Dispatch At**	:
Ref. By	: APOLLO	**Tele No.**	:
Location	:		

Test Name	Results	Units	Bio. Ref. Interval
URINE ROUTINE EXAMINATION			
Physical Examination			
Colour	Pale Yellow		
Clarity	Clear		
CHEMICAL EXAMINATION (by strip test)			
pH	6.0		4.6 - 8.0
Sp. Gravity	1.005		1.002 - 1.030
Protein	Nil		Absent
Glucose	Nil		Absent
Ketone	Nil		Absent
Bilirubin	Nil		Nil
Nitrite	Negative		Nil
Leucocytes	Nil		Nil
Blood	Absent		Absent
MICROSCOPIC EXAMINATION			
Leucocytes (Pus Cells)	Nil		0 - 5/hpf
Erythrocytes (RBC)	Nil		0 - 5/hpf
Casts	Nil	/hpf	Absent
Crystals	Nil		Absent
Epithelial Cells	2-3		Nil
Monilia	Nil		Nil
T. Vaginalis	Nil		Nil
Bacteria	Nil		Absent

Urine

Test done from collected sample.

This is an electronically authenticated report.

Approved by: **Dr. Keyur Patel**
M.B.B.S,D.C.P(Patho)
G- 22475

Approved On: 16-Mar-2024 13:28

Generated On : 16-Mar-2024 17:19

For Appointment : 7567 000 750
www.conceptdiagnostics.com
conceptdiaghealthcare@gmail.com
1st Floor, Sahajand Palace, Near Gopi Restaurant, Anandnagar Cross Road, Prahladnagar, Ahmedabad-15.

TEST REPORT

Reg. No.	: 403100513 **Reg. Date** : 16-Mar-2024 09:24 **Ref.No** :	**Approved On**	: 16-Mar-2024 13:40
Name	: Mr. MAULINKUMAR HAPANI	**Collected On**	: 16-Mar-2024 09:28
Age	: 44 Years **Gender:** Male **Pass. No. :**	**Dispatch At**	:
Ref. By	: APOLLO	**Tele No.**	:
Location	:		

Test Name	Results	Units	Bio. Ref. Interval
Creatinine	0.67	mg/dL	0.67 - 1.5

Serum

Creatinine is the most common test to assess kidney function. Creatinine levels are converted to reflect kidney function by factoring in age and gender to produce the eGFR (estimated Glomerular Filtration Rate). As the kidney function diminishes, the creatinine level increases; the eGFR will decrease. Creatinine is formed from the metabolism of creatine and phosphocreatine, both of which are principally found in muscle. Thus the amount of creatinine produced is, in large part, dependent upon the individual's muscle mass and tends not to fluctuate much from day-to-day. Creatinine is not protein bound and is freely filtered by glomeruli. All of the filtered creatinine is excreted in the urine.

Test done from collected sample.

This is an electronically authenticated report.

Approved by: **Dr. Keyur Patel**
M.B.B.S,D.C.P(Patho)
G- 22475

Generated On : 16-Mar-2024 17:19

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TEST REPORT

Reg. No.	: 403100513	**Reg. Date :** 16-Mar-2024 09:24	**Ref.No :**	**Approved On**	: 16-Mar-2024 13:31
Name	: Mr. MAULINKUMAR HAPANI			**Collected On**	: 16-Mar-2024 09:28
Age	: 44 Years	**Gender:** Male	**Pass. No. :**	**Dispatch At**	:
Ref. By	: APOLLO			**Tele No.**	:
Location	:				

Test Name	Results	Units	Bio. Ref. Interval
Urea	28.5	mg/dL	<= 65 YEARS AGE: <50 mg/dL; >65 YEARS AGE: <71 mg/dL

UREASE/GLDH

Serum

Useful screening test for evaluation of kidney function. Urea is the final degradation product of protein and amino acid metabolism. In protein catabolism, the proteins are broken down to amino acids and deaminated. The ammonia formed in this process is synthesized to urea in the liver. This is the most important catabolic pathway for eliminating excess nitrogen in the human body. Increased blood urea nitrogen (BUN) may be due to prerenal causes (cardiac decompensation, water depletion due to decreased intake and excessive loss, increased protein catabolism, and high protein diet), renal causes (acute glomerulonephritis, chronic nephritis, polycystic kidney disease, nephrosclerosis, and tubular necrosis), and postrenal causes (eg, all types of obstruction of the urinary tract, such as stones, enlarged prostate gland, tumors). The determination of serum BUN currently is the most widely used screening test for the evaluation of kidney function. The test is frequently requested along with the serum creatinine test since simultaneous determination of these 2 compounds appears to aid in the differential diagnosis of prerenal, renal and postrenal hyperuremia.

Test done from collected sample.

This is an electronically authenticated report.

Approved by: **Dr. Keyur Patel**
M.B.B.S,D.C.P(Patho)
G- 22475

Generated On : 16-Mar-2024 17:19

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1st Floor, Sahajand Palace, Near Gopi Restaurant, Anandnagar Cross Road, Prahladnagar, Ahmedabad-15.
Unipath SPECIALITY LABORATORY Ltd. PRAHLADNAGAR BRANCH

TEST REPORT

Reg. No.	: 403100513 **Reg. Date :** 16-Mar-2024 09:24 **Ref.No :**	**Approved On**	: 16-Mar-2024 13:03
Name	: Mr. MAULINKUMAR HAPANI	**Collected On**	: 16-Mar-2024 09:28
Age	: 44 Years **Gender:** Male **Pass. No. :**	**Dispatch At**	:
Ref. By	: APOLLO	**Tele No.**	:
Location	:		

Test Name		Results	Units	Bio. Ref. Interval
ELECTROLYTES				
Sodium (Na+) *Method:ISE*	L	**132.00**	mmol/L	136 - 145
Potassium (K+) *Method:ISE*		4.0	mmol/L	3.5 - 5.1
Chloride(Cl-) *Method:ISE*		99.00	mmol/L	98 - 107

Sample Type: Serum

Comments

The electrolyte panel is ordered to identify electrolyte, fluid, or pH imbalance. Electrolyte concentrations are evaluated to assist in investigating conditions that cause electrolyte imbalances such as dehydration, kidney disease, lung diseases, or heart conditions. Repeat testing of the electrolyte or its components may be used to monitor the patient's response to treatment of any condition that may be causing the electrolyte, fluid or pH imbalance.

---------- End Of Report ----------

Test done from collected sample.

This is an electronically authenticated report.

Approved by: **Dr. Hiral Arora**

M.D. Biochemistry
Reg. No.:- G-32999

Approved On: 16-Mar-2024 13:03

Generated On : 16-Mar-2024 17:19

For Appointment : 7567 000 750
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Unipath SPECIALITY LABORATORY Ltd. PRAHLADNAGAR BRANCH

MER- MEDICAL EXAMINATION REPORT

Date of Examination	16-03-2024		
NAME	MAULINKUMAR HAPANI		
AGE	44YRS	Gender	MALE
HEIGHT(cm)	148	WEIGHT (kg)	49 Kgs
B.P.	120/70/74		
ECG	NORMAL		
X Ray	NORMAL		
Vision Checkup	Color Vision : NA Far Vision Ratio : NA Near Vision Ratio :NA		
Present Ailments	NA		
Details of Past ailments (If Any)	NA		
Comments / Advice : She /He is Physically Fit	PHYSICALLY FIT		

Dr. Vipul Chavda
MD (Internal Medicine)
Reg. No. G-18004

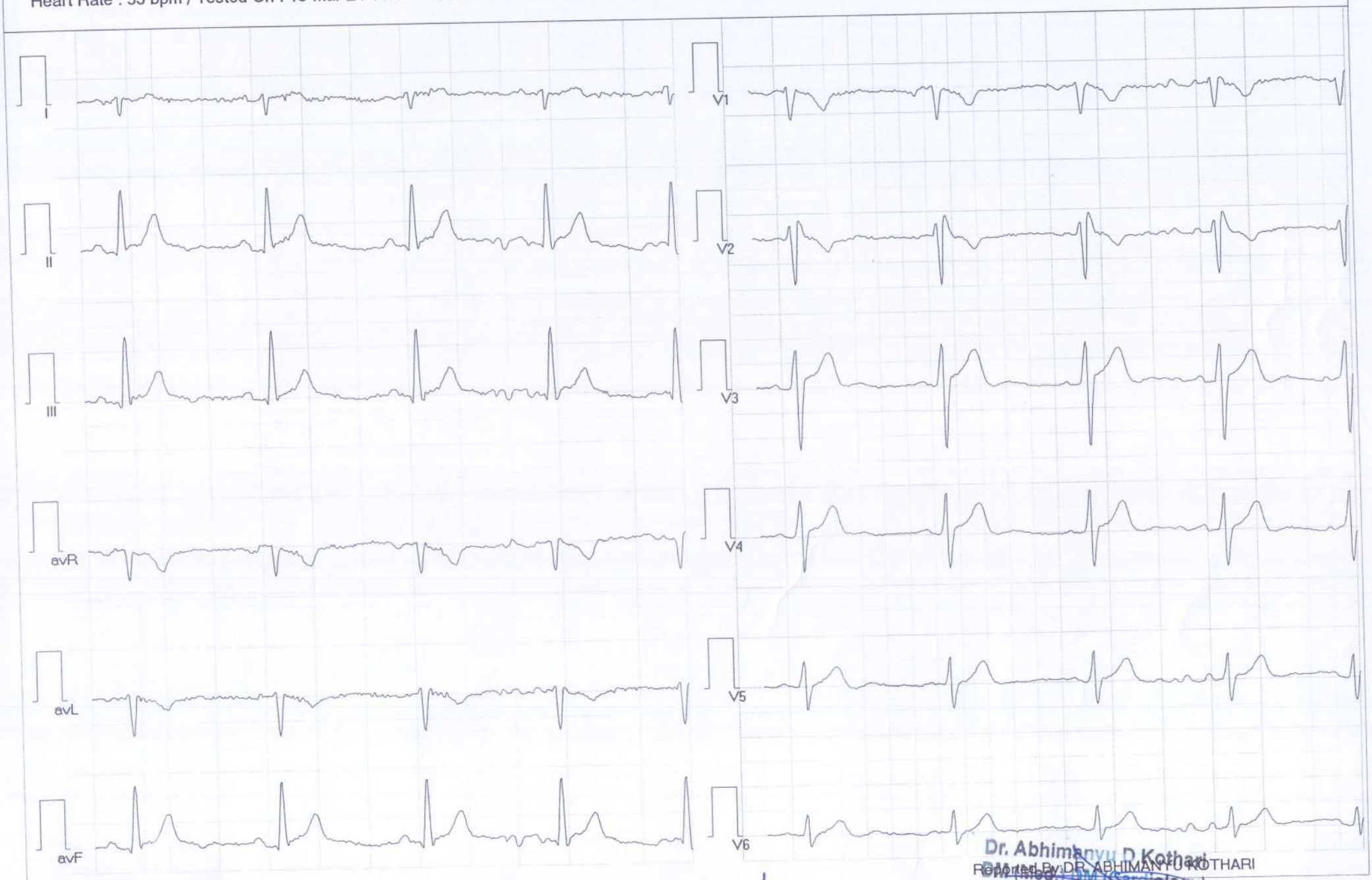
Signature with Stamp of Medical Examiner

CONCEPT DIAGNOSTIC

ECG

1927 / MAULINKUMAR HAPANI / 44 Yrs / M / 172Cms. / 49Kgs./ Non Smoker

Heart Rate : 53 bpm / Tested On : 16-Mar-24 11:14:11 / HF 0.05 Hz - LF 35 Hz / Notch 50 Hz / Sn 1.00 Cm/mV / Sw 25 mm/s



Allengers ECG (Pisces)(PIS218210312)

Reported By: DR. ABHIMANYU KOTHARI

Dr. Abhimanyu D Kothari
DM (Cardiology)
Interventional Cardiologist
Regd. No. G 29383

NAME :	MAULINKUMAR HAPANI	AGE/SEX:	44 Y/M
REF. BY:	HEALTH CHECK UP	DATE :	16-Mar-24

X-RAY CHEST PA VIEW

- Both lung fields are clear.
- No evidence of consolidation or Koch's lesion seen.
- Heart size is within normal limit.
- Both CP angles are clear.
- Both dome of diaphragm appear normal.
- Bony thorax under vision appears normal.

Dr. KRUTI DAVE
CONSULTANT RADIOLOGIST

NAME :	MAULINKUMAR HAPANI	DATE :	16/03/2024
AGE/SEX:	44Y/M	REG.NO :	00
REFERRED BY: HEALTH CHECK UP			

USG ABDOMEN

LIVER: normal in size & shows normal echotexture. No evidence of dilated IHBR. No evidence of focal or diffuse lesion. CBD & Portal vein appears normal.

GALL-BLADDER: normal, No evidence of Gall Bladder calculi.

PANCREAS: appears normal in size & echotexture, No evidence of peri-pancreatic fluid collection.

SPLEEN: normal in size & shows normal echogenicity.

KIDNEYS: Right kidney measures 99 x 35 mm. Left kidney measures 102 x 48 mm. Both kidneys appear normal in size & echotexture.
Few small 3-4 mm sized calculi noted in mid and lower calyx of left kidney.
No evidence of calculus or hydronephrosis on either side.

URINARY BLADDER: appears normal and shows normal distension & normal wall thickness. No evidence of calculus or mass lesion.

PROSTATE: normal in size & echotexture.

No evidence of Ascites.
No evidence of significant lymphadenopathy.

USG WITH HIGH FREQUENCY SOFT TISSUE PROBE:
Visualized bowel loops appears normal in caliber. No evidence of focal or diffuse wall thickening. No collection in RIF.

CONCLUSION:

- **Few small calculi noted in mid and lower calyx of left kidney. No e/o hydronephrosis seen on present study.**

Dr. VIDHI SHAH
MD RADIODIAGNOSIS

NAME	MAULINKUMAR HAPANI		
AGE/ SEX	44YR /M	**DATE**	16/03/2024
REF. BY	HEALTH CHECKUP	**DONE BY**	Dr. Parth Thakkar Dr. Abhimanyu Kothari

2D ECHO CARDIOGRAPHY & COLOR DOPPLER STUDY

FINDINGS:-

- **Normal LV systolic function, LVEF= 55 %.**
- **No RWMA at rest.**
- LV and LA are of normal size.
- RA & RV Are Normal .
- Normal LV Compliance.
- Intact IAS
- IVS/PW : 12/12 mm, Mild concentric LVH +
- All Valves Are structurally Normal
- Mild MR, No AR, No TR
- No clot or vegetation.
- No evidence of pericardial effusion.

MEASUREMENTS:-

LVIDD	35(mm)	LA	27(mm)
LVIDS	22(mm)	AO	23(mm)
LVEF	55%	AV cusp	
IVSD / LVPWD	12/12 (mm)	EPSS	

DOPPLER STUDY:-

Valve	Velocity (M/sec)	Max gradient (MmHg)	Mean gradient (Mm Hg)	Valve area Cm^2
Aortic	0.9			
Mitral	E: 0.6 A: 0.9			
Pulmonary	0.8			
Tricuspid	1.0			

CONCLUSION:-

- **Fair LV systolic function, LVEF=55%.**
- **No RWMA at rest.**
- Normal LV Compliance.
- RA & RV are Normal.
- All Valves Are Structurally Normal.
- No MR, No AR, No PR, No TR

Dr. Parth Thakkar
MD (Med.), DrNB (Cardiology)
Interventional Cardiologist
79901-79258

Dr. Abhimanyu D Kothari
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