


**TEST REPORT**

<b>Reg. No</b> : 303101466	<b>Ref Id</b> :	<b>Collected On</b> : 30-Mar-2023 08:28 AM
<b>Name</b> : Mr. Girish Gopaldas Maheshwari		<b>Reg. Date</b> : 30-Mar-2023 08:28 AM
<b>Age/Sex</b> : 35 Years / Male	<b>Pass. No.</b> :	<b>Tele No.</b> : 9016806561
<b>Ref. By</b> :		<b>Dispatch At</b> :
<b>Location</b> : CHPL		<b>Sample Type</b> : EDTA Whole Blood

Parameter	Results	Unit	Biological Ref. Interval
-----------	---------	------	--------------------------

**COMPLETE BLOOD COUNT (CBC)**  
**Specimen: EDTA blood**

Hemoglobin Colorimetric method	15.5	g/dL	13.0 - 18.0
Hematocrit (Calculated) Calculated	47.80	%	47 - 52
RBC Count	5.32	million/cmm	4.7 - 6.0
MCV	89.9	fL	78 - 110
MCH (Calculated)	29.1	Pg	27 - 31
MCHC (Calculated)	32.4	%	31 - 35
RDW (Calculated)	12.8	%	11.5 - 14.0
WBC Count	6630	/cmm	4000 - 10500
MPV (Calculated)	9.1	fL	7.4 - 10.4

<u>DIFFERENTIAL WBC COUNT</u>	[ % ]		<u>EXPECTED VALUES</u>	[ Abs ]	<u>EXPECTED VALUES</u>
Neutrophils (%)	48.80	%	42.0 - 75.2	3235 /cmm	2000 - 7000
Lymphocytes (%)	41.00	%	20 - 45	2718 /cmm	1000 - 3000
Eosinophils (%)	1.40	%	0 - 6	564 /cmm	200 - 1000
Monocytes (%)	8.50	%	2 - 10	93 /cmm	20 - 500
Basophils (%)	0.30	%	0 - 1	20 /cmm	0 - 100

**PERIPHERAL SMEAR STUDY**

RBC Morphology Normocytic and Normochromic.  
 WBC Morphology Normal

**PLATELET COUNTS**

Platelet Count (Volumetric Impedance) 203000 /cmm 150000 - 450000  
 Platelets Platelets are adequate with normal morphology.  
 Parasites Malarial parasite is not detected.  
 Comment -

This is an electronically authenticated report.  
 \* This test has been out sourced.

**Approved By :** **Dr. Keyur V Patel**  
 MB,DCP

**Generated On :** 06-Apr-2023 11:35 AM

**Approved On :** 30-Mar-2023 03:57 PM  
 Page 1 of 19



## TEST REPORT

<b>Reg. No</b>	: 303101466	<b>Ref Id</b>	:	<b>Collected On</b>	: 30-Mar-2023 08:28 AM
<b>Name</b>	: Mr. Girish Gopaldas Maheshwari			<b>Reg. Date</b>	: 30-Mar-2023 08:28 AM
<b>Age/Sex</b>	: 35 Years / Male	<b>Pass. No.</b>	:	<b>Tele No.</b>	: 9016806561
<b>Ref. By</b>	:			<b>Dispatch At</b>	:
<b>Location</b>	: CHPL			<b>Sample Type</b>	: EDTA Whole Blood



This is an electronically authenticated report.  
\* This test has been out sourced.

**Approved By** : **Dr. Keyur V Patel**  
MB,DCP

**Generated On** : 06-Apr-2023 11:35 AM

**Approved On** : 30-Mar-2023 03:57 PM  
Page 2 of 19

**TEST REPORT**

<b>Reg. No</b> : 303101466	<b>Ref Id</b> :	<b>Collected On</b> : 30-Mar-2023 08:28 AM
<b>Name</b> : Mr. Girish Gopaldas Maheshwari		<b>Reg. Date</b> : 30-Mar-2023 08:28 AM
<b>Age/Sex</b> : 35 Years / Male	<b>Pass. No.</b> :	<b>Tele No.</b> : 9016806561
<b>Ref. By</b> :		<b>Dispatch At</b> :
<b>Location</b> : CHPL		<b>Sample Type</b> : EDTA Whole Blood

Parameter	Result	Unit	Biological Ref. Interval
-----------	--------	------	--------------------------

**HEMATOLOGY****BLOOD GROUP & RH**

Specimen: EDTA and Serum; Method: Forward Reverse Tube Agglutination

<b>ABO</b>	"A"
<b>Rh (D)</b>	Positive
<b>Note</b>	-

**ERYTHROCYTE SEDIMENTATION RATE [ESR]**

<b>ESR 1 hour</b> <i>Infra red measurement</i>	07	mm/hr	ESR AT 1 hour : 1-7
---	----	-------	---------------------

**ERYTHRO SEDIMENTATION RATE, BLOOD -**

Erythrocyte sedimentation rate (ESR) is a non-specific phenomenon and is clinically useful in the diagnosis and monitoring of disorders associated with an increased production of acute phase reactants. The ESR is increased in pregnancy from about the 3rd month and returns to normal by the 4th week post partum. ESR is influenced by age, sex, menstrual cycle and drugs (eg. corticosteroids, contraceptives). It is especially low (<1mm) in polycythaemia, hypofibrinogenemia or congestive cardiac failure and when there are abnormalities of the red cells such as poikilocytosis, spherocytosis or sickle cells.

This is an electronically authenticated report.

\* This test has been outsourced.

**Approved By** : **Dr. Keyur V Patel**  
MB,DCP**Generated On** : 06-Apr-2023 11:35 AM**Approved On** : 30-Mar-2023 03:57 PM

Page 3 of 19

**TEST REPORT**

<b>Reg. No</b> : 303101466	<b>Ref Id</b> :	<b>Collected On</b> : 30-Mar-2023 08:28 AM
<b>Name</b> : Mr. Girish Gopaldas Maheshwari		<b>Reg. Date</b> : 30-Mar-2023 08:28 AM
<b>Age/Sex</b> : 35 Years / Male	<b>Pass. No.</b> :	<b>Tele No.</b> : 9016806561
<b>Ref. By</b> :		<b>Dispatch At</b> :
<b>Location</b> : CHPL		<b>Sample Type</b> : Flouride F,Flouride PP

Parameter	Result	Unit	Biological Ref. Interval
-----------	--------	------	--------------------------

**FASTING PLASMA GLUCOSE**  
Specimen: Flouride plasma

Fasting Blood Sugar (FBS)	104.70	mg/dL	70 - 110
---------------------------	--------	-------	----------

*GOD-POD Method*

Criteria for the diagnosis of diabetes

1. HbA1c  $\geq$  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  $\geq$  200mg/dL during an oral glucose tolerance 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  $\geq$  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.

**POST PRANDIAL PLASMA GLUCOSE**

Specimen: Flouride plasma

Post Prandial Blood Sugar (PPBS)	82.7	mg/dL	70 - 140
----------------------------------	------	-------	----------

*GOD-POD Method*

This is an electronically authenticated report.

\* This test has been out sourced.

**Approved By** : **Dr. Keyur V Patel**  
MB,DCP**Generated On** : 06-Apr-2023 11:35 AM**Approved On** : 30-Mar-2023 03:57 PM

Page 4 of 19


**TEST REPORT**

<b>Reg. No</b> : 303101466	<b>Ref Id</b> :	<b>Collected On</b> : 30-Mar-2023 08:28 AM
<b>Name</b> : Mr. Girish Gopaldas Maheshwari		<b>Reg. Date</b> : 30-Mar-2023 08:28 AM
<b>Age/Sex</b> : 35 Years / Male	<b>Pass. No.</b> :	<b>Tele No.</b> : 9016806561
<b>Ref. By</b> :		<b>Dispatch At</b> :
<b>Location</b> : CHPL		<b>Sample Type</b> : Serum

Parameter	Result	Unit	Biological Ref. Interval
-----------	--------	------	--------------------------

**Lipid Profile**

Cholesterol	239.00	mg/dL	Desirable: < 200 Boderline High: 200 - 239 High: > 240
<i>Enzymatic, colorimetric method</i>			
Triglyceride	287.10	mg/dL	Normal: < 150 Boderline High: 150 - 199 High: 200 - 499 Very High: > 500
<i>Enzymatic, colorimetric method</i>			
HDL Cholesterol	31.60	mg/dL	High Risk : < 40 Low Risk : = 60
<i>Accelerator selective detergent method</i>			
LDL	149.98	mg/dL	Optimal : < 100.0 Near / above optimal : 100-129 Borderline High : 130-159 High : 160-189 Very High : >190.0
<i>Calculated</i>			
VLDL	57.42	mg/dL	15 - 35
<i>Calculated</i>			
LDL / HDL RATIO	4.75		0 - 3.5
<i>Calculated</i>			
Cholesterol /HDL Ratio	7.56		0 - 5.0
<i>Calculated</i>			

This is an electronically authenticated report.

\* This test has been out sourced.



**Approved By** : **Dr. Keyur V Patel**  
MB,DCP

**Generated On** : 06-Apr-2023 11:35 AM

**Approved On** : 30-Mar-2023 03:57 PM

Page 5 of 19


**TEST REPORT**

<b>Reg. No</b> : 303101466	<b>Ref Id</b> :	<b>Collected On</b> : 30-Mar-2023 08:28 AM
<b>Name</b> : Mr. Girish Gopaldas Maheshwari		<b>Reg. Date</b> : 30-Mar-2023 08:28 AM
<b>Age/Sex</b> : 35 Years / Male	<b>Pass. No.</b> :	<b>Tele No.</b> : 9016806561
<b>Ref. By</b> :		<b>Dispatch At</b> :
<b>Location</b> : CHPL		<b>Sample Type</b> : Serum

Parameter	Result	Unit	Biological Ref. Interval
-----------	--------	------	--------------------------

**BIO - CHEMISTRY**
**LFT WITH GGT**
**Total Protein**  
*Biuret Reaction*

6.67 gm/dL

 Premature 1 Day : 3.4 - 5.0  
 1 Day to 1 Month : 4.6 - 6.8  
 2 to 12 Months : 4.8 - 7.6  
 1 Year : 6.0 - 8.0  
 Adults : 6.6 - 8.7

**Albumin**  
*By Bromocresol Green*

4.48 g/dL

 0 - 4 days: 2.8 - 4.4  
 4 days - 14 yrs: 3.8 - 5.4  
 14 - 19 yrs: 3.2 - 4.5  
 20 - 60 yrs : 3.5 - 5.2  
 60 - 90 yrs : 3.2 - 4.6  
 > 90 yrs: 2.9 - 4.5

**Globulin**  
*Calculated*

2.19 g/dL

2.3 - 3.5

**A/G Ratio**  
*Calculated*

2.05 0.8 - 2.0

**SGOT**  
*UV without P5P*

37.30 U/L 0 - 40

**SGPT**  
*UV without P5P*

59.30 U/L 0 - 40

**Alkaline Phosphatase**  
*P-nitrophenyl phosphatase-AMP Buffer, Multiple-point rate*

55.1 IU/l 53 - 128

**Total Bilirubin**  
*Vanadate Oxidation*

1.02 mg/dL 0 - 1.2

**Conjugated Bilirubin**

0.20 mg/dL 0.0 - 0.4

 This is an electronically authenticated report.  
 \* This test has been out sourced.



**Approved By :** **Dr. Keyur V Patel**  
 MB,DCP

**Generated On :** 06-Apr-2023 11:35 AM

**Approved On :** 30-Mar-2023 03:57 PM



**TEST REPORT**

**Reg. No** : 303101466      **Ref Id** :      **Collected On** : 30-Mar-2023 08:28 AM  
**Name** : Mr. Girish Gopaldas Maheshwari      **Reg. Date** : 30-Mar-2023 08:28 AM  
**Age/Sex** : 35 Years / Male      **Pass. No.** :      **Tele No.** : 9016806561  
**Ref. By** :      **Dispatch At** :  
**Location** : CHPL      **Sample Type** : Serum

**Unconjugated Bilirubin**      0.82      mg/dL      0.0 - 1.1  
*Calculated*

**GGT**      26.20      mg/dL      < 49  
*SZASZ Method*



This is an electronically authenticated report.  
\* This test has been out sourced.

**Approved By** : **Dr. Keyur V Patel**  
MB,DCP

**Generated On** : 06-Apr-2023 11:35 AM

**Approved On** : 30-Mar-2023 03:57 PM  
Page 7 of 19





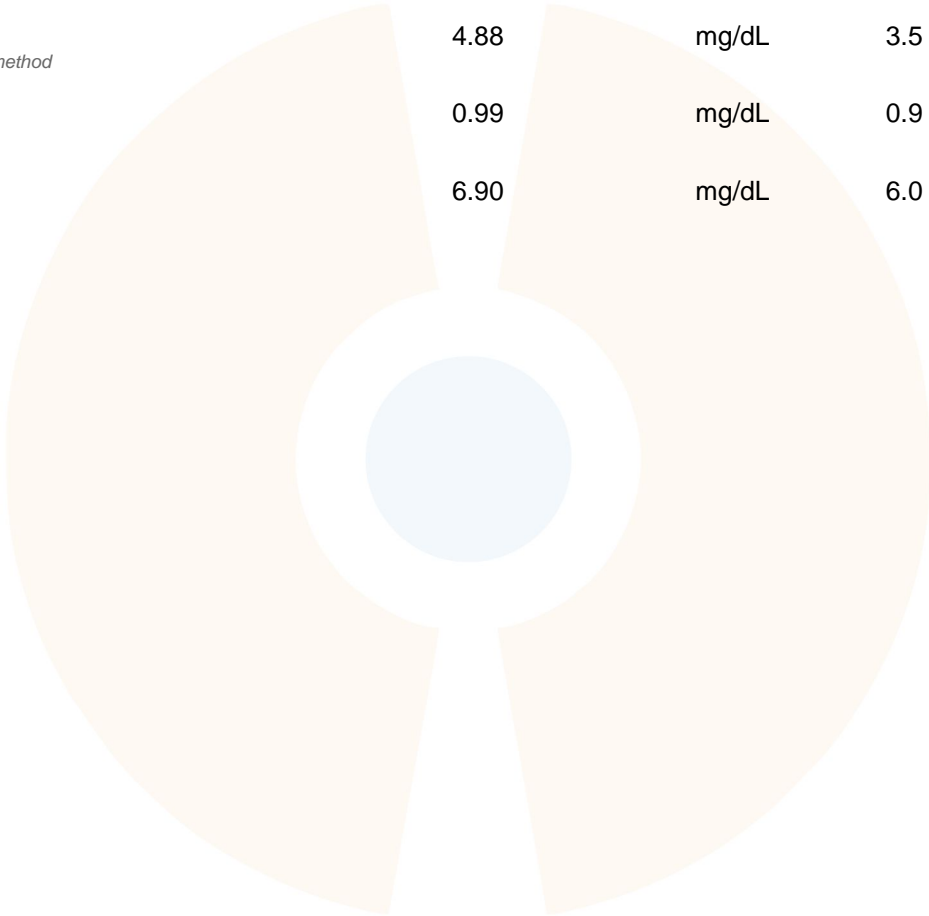
**TEST REPORT**

<b>Reg. No</b> : 303101466	<b>Ref Id</b> :	<b>Collected On</b> : 30-Mar-2023 08:28 AM
<b>Name</b> : Mr. Girish Gopaldas Maheshwari		<b>Reg. Date</b> : 30-Mar-2023 08:28 AM
<b>Age/Sex</b> : 35 Years / Male	<b>Pass. No.</b> :	<b>Tele No.</b> : 9016806561
<b>Ref. By</b> :		<b>Dispatch At</b> :
<b>Location</b> : CHPL		<b>Sample Type</b> : Serum

Parameter	Result	Unit	Biological Ref. Interval
-----------	--------	------	--------------------------

**BIO - CHEMISTRY**

<b>Uric Acid</b> <i>Enzymatic, colorimetric method</i>	4.88	mg/dL	3.5 - 7.2
<b>Creatinine</b> <i>Enzymatic Method</i>	0.99	mg/dL	0.9 - 1.3
<b>BUN</b> <i>UV Method</i>	6.90	mg/dL	6.0 - 20.0



This is an electronically authenticated report.  
\* This test has been out sourced.

**Approved By** : **Dr. Keyur V Patel**  
MB,DCP

**Generated On** : 06-Apr-2023 11:35 AM

**Approved On** : 30-Mar-2023 03:57 PM  
Page 8 of 19




**TEST REPORT**

<b>Reg. No</b> : 303101466	<b>Ref Id</b> :	<b>Collected On</b> : 30-Mar-2023 08:28 AM
<b>Name</b> : Mr. Girish Gopaldas Maheshwari		<b>Reg. Date</b> : 30-Mar-2023 08:28 AM
<b>Age/Sex</b> : 35 Years / Male	<b>Pass. No.</b> :	<b>Tele No.</b> : 9016806561
<b>Ref. By</b> :		<b>Dispatch At</b> :
<b>Location</b> : CHPL		<b>Sample Type</b> : EDTA Whole Blood

Parameter	Result	Unit	Biological Ref. Interval
-----------	--------	------	--------------------------

**HEMOGLOBIN A1 C ESTIMATION**  
 Specimen: Blood EDTA

*Hb A1C	4.8	% of Total Hb	Normal : < 5.7 % Pre-Diabetes : 5.7 % - 6.4 % Diabetes : 6.5 % or higher
---------	-----	---------------	--

*Boronate Affinity with Fluorescent Quenching*

Mean Blood Glucose	91.06	mg/dL
--------------------	-------	-------

*Calculated*
**Degree of Glucose Control Normal Range:**

Poor Control &gt;7.0% \*

Good Control 6.0 - 7.0 %\*\*Non-diabetic level &lt; 6.0 %

\* High risk of developing long term complication such as retinopathy, nephropathy, neuropathy, cardiopathy,etc.

\* Some danger of hypoglycemic reaction in Type I diabetics.

\* Some glucose intolerant individuals and "subclinical" diabetics may demonstrate HbA1c levels in this area.

**EXPLANATION :-**

\*Total haemoglobin A1 c is continuously synthesised in the red blood cell through its 120 days life span.The concentration of HBA1c in the cell reflects the average blood glucose concentration it encounters.

\*The level of HBA1c increases proportionately in patients with uncontrolled diabetes. It reflects the average blood glucose concentration over an extended time period and remains unaffected by short-term fluctuations in blood glucose levels.

\*The measurement of HbA1c can serve as a convenient test for evaluating the adequacy of diabetic control and in preventing various diabetic complications. Because the average half life of a red blood cell is sixty days,HbA1c has been accepted as a measurement which effects the mean daily blood glucose concentration, better than fasting blood glucose determination, and the degree of carbohydrate imbalance over the preceding two months.

\*It may also provide a better index of control of the diabetic patient without resorting to glucose loading procedures.

**HbA1c assay Interferences:**

\*Errneous values might be obtained from samples with abnormally elevated quantities of other Haemoglobins as a result of either their simultaneous elution with HbA1c(HbF) or differences in their glycation from that of HbA(HbS)

This is an electronically authenticated report.

\* This test has been out sourced.

**Approved By :** **Dr. Keyur V Patel**  
 MB,DCP

**Generated On :** 06-Apr-2023 11:35 AM

**Approved On :** 30-Mar-2023 03:57 PM

Page 9 of 19



**TEST REPORT**

<b>Reg. No</b> : 303101466	<b>Ref Id</b> :	<b>Collected On</b> : 30-Mar-2023 08:28 AM
<b>Name</b> : Mr. Girish Gopaldas Maheshwari		<b>Reg. Date</b> : 30-Mar-2023 08:28 AM
<b>Age/Sex</b> : 35 Years / Male	<b>Pass. No.</b> :	<b>Tele No.</b> : 9016806561
<b>Ref. By</b> :		<b>Dispatch At</b> :
<b>Location</b> : CHPL		<b>Sample Type</b> : Urine Spot

Test	Result	Unit	Biological Ref. Interval
------	--------	------	--------------------------

**URINE ROUTINE EXAMINATION**

**PHYSICAL EXAMINATION**

Quantity	40 cc	
Colour	Pale Yellow	
Clarity	Clear	Clear

**CHEMICAL EXAMINATION (BY REFLECTANCE PHOTOMETRIC)**

pH	6.5	4.6 - 8.0
Sp. Gravity	1.000	1.001 - 1.035
Protein	Nil	Nil
Glucose	Nil	Nil
Ketone Bodies	Nil	Nil
Urobilinogen	Nil	Nil
Bilirubin	Nil	
Nitrite	Nil	Nil
Blood	Nil	Nil

**MICROSCOPIC EXAMINATION (MANUAL BY MICROSCOPY)**

Leucocytes (Pus Cells)	Occasional/hpf	Absent
Erythrocytes (Red Cells)	Nil	Absent
Epithelial Cells	Nil	Absent
Crystals	Absent	Absent
Casts	Absent	Absent
Amorphous Material	Absent	Absent
Bacteria	Absent	Absent
Remarks	-	

This is an electronically authenticated report.  
\* This test has been out sourced.

**Approved By :** **Dr. Keyur V Patel**  
MB,DCP

**Generated On :** 06-Apr-2023 11:35 AM

**Approved On :** 30-Mar-2023 03:57 PM



**LABORATORY REPORT**

<b>Name</b>	: Mr. Girish Gopaldas Maheshwari	<b>Reg. No</b>	: 303101466
<b>Sex/Age</b>	: Male/35 Years	<b>Reg. Date</b>	: 30-Mar-2023 08:28 AM
<b>Ref. By</b>	:	<b>Collected On</b>	: 30-Mar-2023 08:28 AM
<b>Client Name</b>	: Mediwheel	<b>Report Date</b>	: 30-Mar-2023 04:46 PM

**USG ABDOMEN**

**Liver** appears normal in size & echogenicity. No evidence of focal solid or cystic lesion seen. No evidence of dilatation of intra-hepatic biliary or portal radicals. PV is normal in caliber.

**Gall bladder** is normally distended. No evidence of calculus or mass seen. Gall bladder wall thickness appears normal.

**Pancreas** Visualized portion appears normal in size and echopattern. No evidence of focal lesions.

**Spleen** appears normal in size & echopattern. No evidence of focal lesions.

**Both kidneys** are normal in size, shape and position. C.M. differentiation on both sides is maintained. There are few tiny calculi seen in both kidneys. No evidence of hydronephrosis or solid mass on either side.

**Urinary bladder** is partially distended. No evidence of calculus or mass.

**Prostate** appears normal in size and echopattern. No evidence of focal lesions.

No evidence of free fluid in peritoneal cavity.

No evidence of para-aortic lymph adenopathy.

No evidence of dilated small bowel loops.

**COMMENTS :**

**Bilateral renal calyceal calculi. No back pressure changes.**

This is an electronically authenticated report

**DR DHAVAL PATEL**  
Consultant Radiologist  
MB,DMRE  
Reg No:0494



**LABORATORY REPORT**

<b>Name</b>	: Mr. Girish Gopaldas Maheshwari	<b>Reg. No</b>	: 303101466
<b>Sex/Age</b>	: Male/35 Years	<b>Reg. Date</b>	: 30-Mar-2023 08:28 AM
<b>Ref. By</b>	:	<b>Collected On</b>	: 30-Mar-2023 08:28 AM
<b>Client Name</b>	: Mediwheel	<b>Report Date</b>	: 30-Mar-2023 03:36 PM

**X RAY CHEST PA**

Both lung fields appear clear.

No evidence of any active infiltrations or consolidation.

Cardiac size appears within normal limits.

Both costo-phrenic angles appear free of fluid.

Both domes of diaphragm appear normal.

**COMMENT: No significant abnormality is detected.**

This is an electronically authenticated report

**Dr. Jay Soni**  
M.D, GENERAL MEDICINE



**LABORATORY REPORT**

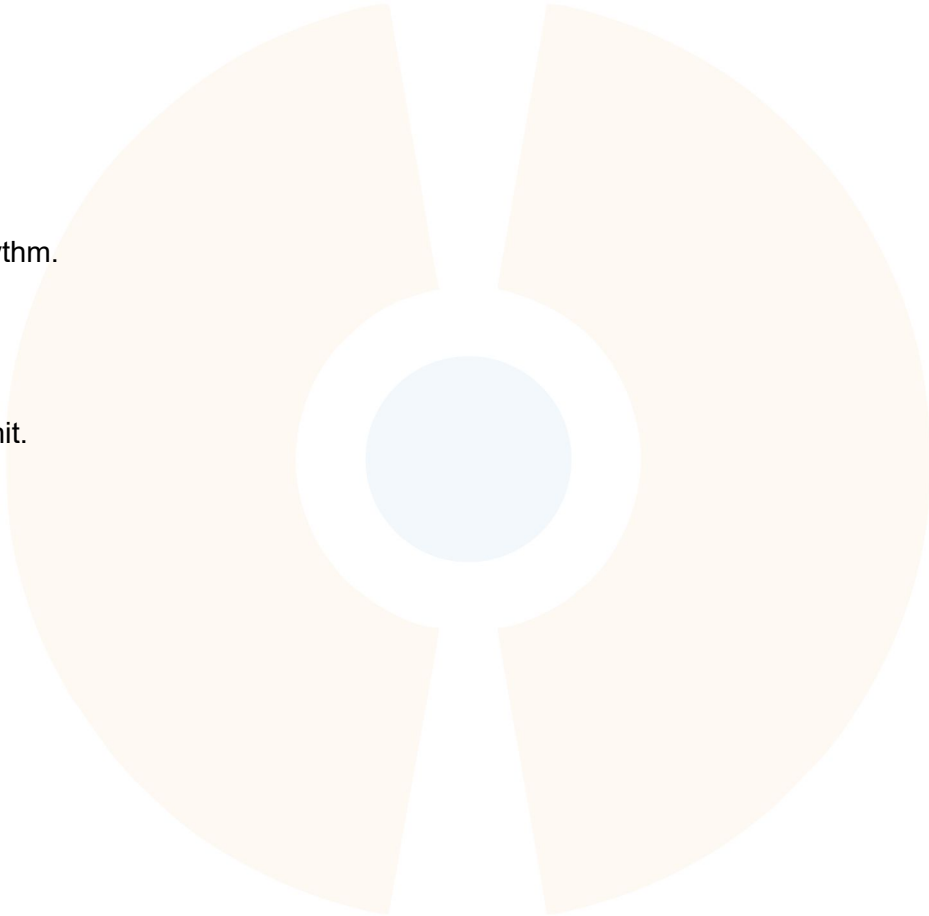
<b>Name</b>	: Mr. Girish Gopaldas Maheshwari	<b>Reg. No</b>	: 303101466
<b>Sex/Age</b>	: Male/35 Years	<b>Reg. Date</b>	: 30-Mar-2023 08:28 AM
<b>Ref. By</b>	:	<b>Collected On</b>	: 30-Mar-2023 08:28 AM
<b>Client Name</b>	: Mediwheel	<b>Report Date</b>	: 30-Mar-2023 03:36 PM

**Electrocardiogram**

**Findings**

Normal Sinus Rhythm.

Within Normal Limit.



This is an electronically authenticated report

**Dr. Jay Soni**  
M.D, GENERAL MEDICINE



**LABORATORY REPORT**

<b>Name</b>	: Mr. Girish Gopaldas Maheshwari	<b>Reg. No</b>	: 303101466
<b>Sex/Age</b>	: Male/35 Years	<b>Reg. Date</b>	: 30-Mar-2023 08:28 AM
<b>Ref. By</b>	:	<b>Collected On</b>	: 30-Mar-2023 08:28 AM
<b>Client Name</b>	: Mediwheel	<b>Report Date</b>	: 30-Mar-2023 03:36 PM

**2D Echo Colour Doppler**

1. Mild concentric LVH.
2. Normal sized LA, LV, RA, RV.
3. Normal LV systolic function, LVEF: 60%.
4. No RWMA.
5. Reduced LV compliance.
6. All cardiac valves are structurally normal.
7. Mild MR, Trivial TR, Trivial PR, No AR.
8. Mild PAH, RVSP: 38 mm Hg.
9. IAS/IVS: Intact.
10. No clot/vegetation/pericardial effusion.
11. No coarctation of aorta.

This is an electronically authenticated report

**Dr. Jay Soni**  
M.D, GENERAL MEDICINE

Page 14 of 19

**CUROVIS HEALTHCARE PVT. LTD.**

'B' Block, Mondeal Business Park, Near Gurudwara, Bodakdev, S.G. Highway, Ahmedabad - 380 054, Gujarat

**TEST REPORT**

<b>Reg. No</b> : 303101466	<b>Ref Id</b> :	<b>Collected On</b> : 30-Mar-2023 08:28 AM
<b>Name</b> : Mr. Girish Gopaldas Maheshwari		<b>Reg. Date</b> : 30-Mar-2023 08:28 AM
<b>Age/Sex</b> : 35 Years / Male	<b>Pass. No.</b> :	<b>Tele No.</b> : 9016806561
<b>Ref. By</b> :		<b>Dispatch At</b> :
<b>Location</b> : CHPL		<b>Sample Type</b> : Serum

Parameter	Result	Unit	Biological Ref. Interval
-----------	--------	------	--------------------------

**IMMUNOLOGY****THYROID FUNCTION TEST**

<b>T3 (Triiodothyronine)</b> <small>CHEMILUMINECENT MICROPARTICLE IMMUNOASSAY</small>	1.01	ng/mL	0.86 - 1.92
--	------	-------	-------------

Triiodothyronine (T3) is a hormone synthesized and secreted by the thyroid gland in response to the pituitary hormone TSH (thyroid stimulating hormone) and is regulated by a negative feedback mechanism involving the thyroid gland, pituitary gland and hypothalamus.

In the circulation, 99.7% of T3 is reversibly bond to transport proteins, primarily thyroxine-binding globulin (TBG) and to a lesser extent albumin and prealbumin. The remaining unbound T3 is free in the circulation and is metabolically active.

In hypothyroidism and hyperthyroidism, F T3 (free T3) levels parallel changes in total T3 levels. Measuring F T3 is useful in certain conditions such as normal pregnancy and steroid therapy, when altered levels of total T3 occur due to changes in T3 binding proteins, especially TBG.

<b>T4 (Thyroxine)</b> <small>CHEMILUMINECENT MICROPARTICLE IMMUNOASSAY</small>	7.60	µg/dL	3.2 - 12.6
---	------	-------	------------

Thyroxin (T4) is a hormone synthesized and secreted by the thyroid gland in response to the pituitary hormone TSH (thyroid stimulating hormone) and is regulated by a negative feedback mechanism involving the thyroid gland, pituitary gland and hypothalamus. In the circulation, 99.95% of T4 is reversibly bond to transport proteins, primarily thyroxine-binding globulin (TBG) and to a lesser extent albumin and thyroxine-binding prealbumin. The remaining unbound T4 is free in the circulation and is both metabolically active and a precursor to triiodothyronine (T3).

In hypothyroidism and hyperthyroidism, F T4 (free T4) levels parallel changes in total T4 levels. Measuring FT4 is useful in certain conditions such as normal pregnancy and steroid therapy, when altered levels of total T4 occur due to changes in T4 binding proteins, especially TBG.

**Limitations:**

- 1.The anticonvulsant drug phenytoin may interfere with total and F T4 levels due to competition for TBG binding sites.
- 2.F T4 values may be decreased in patients taking carbamazepine.
- 3.Thyroid autoantibodies in human serum may interfere and cause falsely elevated F T4 results.

This is an electronically authenticated report.

\* This test has been out sourced.

**Approved By :** **Dr. Keyur V Patel**  
MB,DCP

**Generated On :** 06-Apr-2023 11:35 AM

**Approved On :** 30-Mar-2023 03:57 PM  
Page 15 of 19





**TEST REPORT**

<b>Reg. No</b> : 303101466	<b>Ref Id</b> :	<b>Collected On</b> : 30-Mar-2023 08:28 AM
<b>Name</b> : Mr. Girish Gopaldas Maheshwari		<b>Reg. Date</b> : 30-Mar-2023 08:28 AM
<b>Age/Sex</b> : 35 Years / Male	<b>Pass. No.</b> :	<b>Tele No.</b> : 9016806561
<b>Ref. By</b> :		<b>Dispatch At</b> :
<b>Location</b> : CHPL		<b>Sample Type</b> : Serum

**TSH** 3.720  $\mu$ IU/ml 0.35 - 5.50  
*CHEMILUMINECENT MICROPARTICLE IMMUNOASSAY*

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-releasing 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  $\mu$ IU/mL

Second Trimester : 0.2 to 3.0  $\mu$ IU/mL

Third trimester : 0.3 to 3.0  $\mu$ IU/mL

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

This is an electronically authenticated report.

\* This test has been out sourced.

**Generated On** : 06-Apr-2023 11:35 AM

**Approved By** :  **Dr. Keyur V Patel**  
MB,DCP

**Approved On** : 30-Mar-2023 03:57 PM

Page 16 of 19



**TEST REPORT**

<b>Reg. No</b>	: 303101466	<b>Ref Id</b>	:	<b>Collected On</b>	: 30-Mar-2023 08:28 AM
<b>Name</b>	: Mr. Girish Gopaldas Maheshwari	<b>Reg. Date</b>	:	<b>Reg. Date</b>	: 30-Mar-2023 08:28 AM
<b>Age/Sex</b>	: 35 Years / Male	<b>Pass. No.</b>	:	<b>Tele No.</b>	: 9016806561
<b>Ref. By</b>	:	<b>Dispatch At</b>	:	<b>Sample Type</b>	: Serum
<b>Location</b>	: CHPL				

Parameter	Result	Unit	Biological Ref. Interval
-----------	--------	------	--------------------------

**IMMUNOLOGY**

<b>*TOTAL PROSTATE SPECIFIC ANTIGEN (PSA)</b>	0.25	ng/mL	0 - 4
---	------	-------	-------

CHEMILUMINECENT MICROPARTICLE IMMUNOASSAY

Measurement of total PSA alone may not clearly distinguish between benign prostatic hyperplasia (BPH) from cancer, this is especially true for the total PSA values between 4-8 ng/mL.

Percentage of free PSA = free PSA/total PSA X 100

Percentage of free PSA: Patients with prostate cancer generally have a lower percentage of Free PSA than patients with benign prostatic hyperplasia. Percentage Free PSA of less than 25% is a high likelihood of prostatic cancer.

This is an electronically authenticated report.

\* This test has been out sourced.

**Approved By :** **Dr. Keyur V Patel**  
MB,DCP

**Generated On :** 06-Apr-2023 11:35 AM

**Approved On :** 30-Mar-2023 03:57 PM



**LABORATORY REPORT**

<b>Name</b> :	Mr. Girish Gopaldas Maheshwari	<b>Reg. No</b> :	303101466
<b>Sex/Age</b> :	Male/35 Years	<b>Reg. Date</b> :	30-Mar-2023 08:28 AM
<b>Ref. By</b> :		<b>Collected On</b> :	30-Mar-2023 08:28 AM
<b>Client Name</b> :	Mediwheel	<b>Report Date</b> :	30-Mar-2023 01:35 PM

**Medical Summary**

**GENERAL EXAMINATION**

Height (cms) :176

Weight (kgs) :92.1

Blood Pressure : 118/78mmHg

Pulse : 67/Min

No Clubbing/Cynosis/Pallor/PedelOedem

Systemic Examination:

Cardio vascular System - S1,S2 Normal, No Murmur

Respiratory system - AEBE

Central Nervous System - No FND

Abdomen - Soft, Non Tender, No Organomegaly

Epilepsy – N/A

This is an electronically authenticated report

**Dr. Jay Soni**  
M.D, GENERAL MEDICINE



**LABORATORY REPORT**

<b>Name</b> :	Mr. Girish Gopaldas Maheshwari	<b>Reg. No</b> :	303101466
<b>Sex/Age</b> :	Male/35 Years	<b>Reg. Date</b> :	30-Mar-2023 08:28 AM
<b>Ref. By</b> :		<b>Collected On</b> :	30-Mar-2023 08:28 AM
<b>Client Name</b> :	Mediwheel	<b>Report Date</b> :	30-Mar-2023 02:07 PM

**Eye Check - Up**

No Eye Complaints

RIGHT EYE

SP: -1.00

CY: -0.25

AX: 162

LEFT EYE

SP : -0.50

CY : -0.75

AX :52

	Without Glasses	With Glasses
Right Eye	6/9	6/5
Left Eye	6/9	6/5

Near Vision: Right Eye - N/6, Left Eye - N/6

Fundus Examination - Within Normal Limits.

ColorVision : Normal

Comments: Normal

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

This is an electronically authenticated report



**Dr Kejal Patel**  
MB,DO(Ophth)